

# Specifications Guide Asia-Pacific Chemicals

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## Definitions of the trading locations for which Platts publishes indexes or assessments

The following specifications guide contains the primary specifications and methodologies for Platts chemical assessments throughout the Asia Pacific region. All the assessments listed here employ Platts assessment methodology, as published at [https://www.spglobal.com/commodityinsights/plattscontent/\\_assets/\\_files/en/our-methodology/methodology-specifications/platts-assessments-methodology-guide.pdf](https://www.spglobal.com/commodityinsights/plattscontent/_assets/_files/en/our-methodology/methodology-specifications/platts-assessments-methodology-guide.pdf).

These guides are designed to give Platts subscribers as much information as possible about a wide range of methodology and specification questions.

This guide is current at the time of publication. Platts may issue further updates and enhancements to this guide and will announce these to subscribers through its usual publications of record. Such updates will be included in the next version of this guide. Platts editorial staff and managers are available to provide guidance when assessment issues require clarification.

### Olefins

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	PC Page	
													Mavg	Wavg
<b>Ethylene</b>														
Ethylene CFR NE Asia Weekly	USD	AAOUZ05	AAOUZ03		Spot	CFR	Northeast Asia	20-40 days forward from date of publication	2,500	3,500	MT		440	
Ethylene CFR NE Asia	USD	AAOTM00	AAOTM03	AAOTM05	Spot	CFR	Northeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	550		238, 302
Ethylene CFR NE Asia Weekly	USD	AAOUZ00	AAOUZ03		Spot	CFR	Northeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	302		440 238
Ethylene CFR SE Asia	USD	AAOTN00	AAOTN03	AAOTN05	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	550		238, 302
Ethylene CFR SE Asia Weekly	USD	PHAJH00	PHBGF03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,500	3,500	MT	302		440
Ethylene FOB Korea	USD	PHAJB00	PHBGD03		Spot	FOB	South Korea	20-40 days forward from date of publication	2,500	3,500	MT	302		440
<b>Propylene</b>														
Propylene Poly Grade FOB Korea	USD	AAUXJ00	AAUXJ03	AAUXJ01	Spot	FOB	South Korea	20-40 days forward from date of publication	1,500	1,500	MT	694/238/531	440	310/238
Propylene Poly Grade CFR China	USD	AAWVK00	AAWVK03	AAWVK04	Spot	CFR	China	20-40 days forward from date of publication	1,500	1,500	MT	694/531	440	310/238
Propylene Poly Grade CFR China Weekly	USD	AAHQU00	AAICS00		Spot	CFR	China	20-40 days forward from date of publication	1,500	1,500	MT	310/238		
Propylene Poly Grade CFR Taiwan Weekly	USD	PHAKQ00	PHBGM03		Spot	CFR	Taiwan	20-40 days forward from date of publication	1,500	1,500	MT	310/238	440	
Propylene Poly Grade CFR SE Asia Weekly	USD	PHAKR00	PHBGN03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	1,500	1,500	MT	310/238	440	
Propylene Poly Grade FOB Japan Weekly	USD	PHAKO00	PHBGO03		Spot	FOB	Japan	20-40 days forward from date of publication	1,500	1,500	MT	310/238	440	
Propylene domestic east China	CNY	AAWYC00	AAWYC03		Spot	Ex-tank	China	0-10 days	100	500	MT	694	440	
Propylene domestic Shandong China	CNY	AAWYB00	AAWYB03		Spot	Ex-tank	China	0-10 days	100	500	MT	694	440	
<b>Butadiene</b>														
Butadiene FOB Korea	USD	AAWWM00	AAWWM03	AAWWM04	Spot	FOB	South Korea	20-40 days forward from date of publication	1,500	5,000	MT	542, 718		238, 314
Butadiene FOB Korea Weekly	USD	PHAKE00	PHBGP03		Spot	FOB	South Korea	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	440	
Butadiene FOB China	USD	FOCBA00	FOCBA03	FOCBA04	Spot	FOB	China	20-40 days forward from date of publication	2,000	3,000	MT	718	440	314
Butadiene CFR China	USD	AAWWL00	AAWWL03	AAWWL04	Spot	CFR	China	20-40 days forward from date of publication	1,500	5,000	MT	542, 718		238, 314
Butadiene CFR China weekly	USD	AAOTO00	AAOTO03		Spot	CFR	China	20-40 days forward from date of publication	1,500	5,000	MT	314, 238		

## Olefins

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	PC Page		
												Code	Mavg	Wavg
Butadiene China domestic (ex-tank)	CNY	AAWU00	AAWU03		Spot	Ex-tank	China	0-10 days	200	500	MT	718	440	
Butadiene CFR Northeast Asia	USD	BTNEA00	BTNEA03	BTNEA04	Spot	CFR	Northeast Asia	20-40 days forward from date of publication	1,500	5,000	MT	718, 542	440	238, 314
Butadiene CFR Northeast Asia weekly	USD	BTWEA04			Spot	CFR	Northeast Asia	20-40 days forward from date of publication	1,500	5,000	MT	314, 238		
Butadiene CFR Taiwan weekly	USD	PHAKJ00	PHBGQ03		Spot	CFR	Taiwan	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	440	
Butadiene CFR SE Asia weekly	USD	PHAKK00	PHBGR03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	1,500	5,000	MT	314, 238	440	
<b>Monoethylene Glycol (MEG)</b>														
MEG CFR China \$/MT	USD	AAWAX00	AAWAX03	AAWAX04	Spot	CFR	China	15-30 days forward from the date of publication	1,000	3,000	MT	735	440	306
MEG CFR China \$/Mt Wk	USD	AAEZG00	AAGJV00		Spot	CFR	China	15-30 days forward from the date of publication	1,000	3,000	MT	306		
MEG CFR SEAsia	USD	PHAKV00	PHBGJ03		Spot	CFR	Southeast Asia	15-30 days forward from the date of publication	1,000	3,000	MT	306	440	
MEG Dom China ex-tank Dly	CNY	AAWJB00	AAWJB03	AAWJB04	Spot	Ex-tank	China	to be loaded 0-10 days from the date of publication	500	1,000	MT	735, 306		
MEG MEGlobal CP	USD	AAUOA00			CP nomination	CFR	Asia				MT	306		
MEG Sabic CP nomination	USD	AAUOB00			CP nomination	CFR	Asia				MT	306		
MEG Shell CP nomination	USD	AAUOC00			CP nomination	CFR	Asia				MT	306		

## Olefins

### Ethylene (C2)

**Assessment window:** Daily assessments CFR Northeast Asia and CFR Southeast Asia, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments FOB Korea, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments CFR Northeast Asia and CFR Southeast Asia are published on Fridays.

**Timing:** Cargoes loaded (FOB) or delivered (CFR) 20-40 days forward from the date of publication.

**Basis and locations:** FOB Korea: Daesan, Ulsan, Yeosu; CFR Southeast Asia: Indonesia (Merak), the Philippines (Manila Bay anchorage, barge cost not included), Thailand (Map Ta Phut); Malaysia (Pasir Gudang, Kertih); CFR Northeast Asia: Korea (Daesan, Ulsan, Yeosu), Taiwan (Kaohsiung, Mailiao), Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); China (Shanghai, Ningbo, Nantong).

**Cargo size:** 2,500-3,500 mt.

**Terms and conditions:** FOB Korea, CFR Northeast Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99.9%.

### Propylene (C3)

**Assessment window:** Daily assessments FOB Korea and CFR China, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Taiwan, CFR Southeast Asia and FOB Japan, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea and CFR China are published on Fridays.

**Timing:** Cargoes loaded (FOB) or delivered (CFR) 20-40 days forward from the date of publication. China domestic: 0-10 days from the date of publication.

**Basis and locations:** FOB Korea: Daesan, Onsan, Ulsan, Yeosu; CFR Taiwan: Kaohsiung, Keelung, Mailiao, Taichung; CFR Southeast Asia: Indonesia (Merak, Batam, Surabaya), the Philippines (Manila Bay anchorage, barge cost not included), Malaysia (Kertih, Kuantan, Pasir Gudang, Port Dickson), Singapore, Thailand (Bangkok, Sriracha, Map Ta Phut); CFR China: Shanghai, Ningbo, Nantong; FOB Japan: Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki.

**Cargo size:** Standard pressurized cargoes of 1,500 mt. Larger refrigerated cargoes may be normalized to equivalent pressurized cargo prices. China domestic: 100-500 mt.

**Terms and conditions:** FOB Korea, CFR Taiwan, CFR Southeast Asia and CFR China are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. China domestic: Assessed at-sight basis with cash payment. Daily China domestic price in Yuan/mt ex-tank East China and Shandong, China is inclusive of the prevailing value added tax.

**Quality specifications:** Polymer grade with minimum purity of 99.6%.

## Butadiene (C4)

**Assessment window:** Daily assessments FOB Korea, FOB China, CFR China, and CFR Northeast Asia are based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Taiwan and CFR Southeast Asia are based on the latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of FOB Korea, FOB China, CFR China and CFR Northeast Asia are published on Fridays.

**Timing:** Cargoes loaded (FOB) or delivered (CFR) 20-40 days forward from the date of publication.

**Basis and locations:** FOB Korea and CFR Northeast Asia: Daesan, Ulsan, Yeosu; Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); CFR Taiwan: Mailiao, Kaohsiung; CFR Southeast Asia: Indonesia (Merak); Thailand (Map Ta Phut, Rayong); Malaysia (Penang); FOB China: Ningbo, Zhoushan, Zhenhai, Shanghai. Platts may also take into consideration pricing information from northern China's Tianjin, Panjin and Dalian, as well as southern China's Zhanjiang but will normalize them to East China ports for the assessment; CFR China: Nantong, Tianjin, Dalian, Shanghai, Ningbo, Guangzhou.

**Cargo size:** FOB Korea, CFR China, CFR Taiwan, CFR Southeast Asia, CFR Northeast Asia: 1,500-5,000 mt. FOB China: 2,000-3,000 mt. China Domestic: 200-500 mt.

**Terms and conditions:** FOB Korea, FOB China, CFR Taiwan, CFR Southeast Asia, CFR Northeast Asia and CFR China are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. China domestic: Assessed at-sight basis with cash payment. Daily China domestic price in Yuan/mt is ex-tank basis inclusive of the prevailing value added tax.

**Quality specifications:** Minimum purity of 99.5%. Dimer content maximum 1,000 ppm.

## Monoethylene Glycol (MEG)

**Assessment window:** Daily assessments CFR China and China domestic price, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR

Southeast Asia, based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly average of daily CFR China assessments is published on Friday.

**Timing:** Daily assessments CFR China and weekly assessments CFR Southeast Asia evaluate cargoes for delivery 15-30 days forward from the date of publication. China domestic: cargoes to be loaded 0-10 days forward from the date of publication.

**Basis and locations:** CFR Southeast Asia: Malaysia (Port Klang), Thailand (Map Ta Phut, Bangkok); CFR China: Taicang, Jiangyin, Nantong, Ningbo, Zhangjiagang. China domestic: Ex-tank Nantong, Taicang, Jiangyin, Zhangjiagang.

**Cargo size:** CFR China, CFR Southeast Asia: 1,000 mt. China Domestic: 500-1,000 mt. Terms and conditions: CFR Southeast Asia and CFR China are assessed as of 90 days credit. For deals with usance greater or less than 90 days, the value of the credit will be factored out for price assessment. China domestic ex-tank assessments include prevailing value added tax.

**Standard operation procedures:** Market participants should specify for a half-month date range at the time of submitting a bid or offer for publication. The buyer is to declare delivery port 15 days prior to the first day of the delivery period. The seller is to nominate the vessel 10 days prior to the first day of the delivery laycan.

**Quality specifications:** Fiber grade with minimum purity of 99.8%.

**MEG contract prices:** Nominated CPs basis CFR Asia are published on Friday.

**APAC Aromatics and Methanol**

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Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	Mavg	Wavg
<b>Benzene</b>														
Benzene FOB Korea Marker	USD	PHASM05	PHASN03	AAOSV00	Spot	FOB	South Korea	Average of 3rd (W3,) 4th (W4) & 5th (W5) laycan	3,000	3,000	MT	206/235	436	322
Benzene FOB Korea W2	USD	AAMGD00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W3	USD	AAMGG00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W4	USD	AAPFE00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W5	USD	AAWYG00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea W6	USD	AAWYH00			Spot	FOB	South Korea	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB SE Asia Marker	USD	AAUYE00	AAUYE03	AAUYE04	Spot	FOB	Southeast Asia	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	206/235	436	322
Benzene FOB Korea-SE Asia Diff H1	USD	AAVRY00			Spot	FOB	Southeast Asia	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea-SE Asia Diff H2	USD	AAVRZ00			Spot	FOB	Southeast Asia	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene FOB Korea-SE Asia Diff H3	USD	AAVSA00			Spot	FOB	Southeast Asia	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR Taiwan Weekly	USD	PHAAK00	PHBGT03		Spot	CFR	Taiwan	Delivered 20-40 days forward from date of publication	3,000	3,000	MT	322/235	436	
Benzene CFR China Marker	USD	AAXVK00	AAXVK03	AAXVK04	Spot	CFR	China	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	206/235	436	322
Benzene CFR China W3	USD	AAXWK00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR China W4	USD	AAXXK00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR China W5	USD	AAXYK00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene CFR China W6	USD	AAXYL00			Spot	CFR	China	Anytime during that half-month	3,000	3,000	MT	206/235		
Benzene Domestic East China Prompt	CNY	AAECA00		AAECA04	Spot	Ex-tank	China	0-10 days forward	500	1,000	MT	206/235		322
Benzene Domestic East China Bal-Mo01	CNY	AAECB00		AAECB04	Spot	Ex-tank	China	Within the current calendar month on the date of publication	500	1,000	MT	206/235		322
Benzene Domestic East China Mo02	CNY	AAECC00		AAECC04	Spot	Ex-tank	China	Within the second calendar month from date of publication	500	1,000	MT	206/235		322
Benzene Domestic East China Marker	CNY	AAECG00	AAECG03	AAECG04	Spot	Ex-tank	China	Average of prompt, Mo01, and Mo02 laycan	500	1,000	MT	206/235	436	322
Benzene East China Prompt Import Parity	USD	AAECD00		AAECD04	Spot	Ex-tank	China	0-10 days forward	500	1,000	MT	206/235		322
Benzene East China Import Parity Bal-Mo01	USD	AAECE00		AAECE04	Spot	Ex-tank	China	Within the current calendar month on the date of publication	500	1,000	MT	206/235		322
Benzene East China Import Parity Mo02	USD	AAECF00		AAECF04	Spot	Ex-tank	China	Within the second calendar month from date of publication	500	1,000	MT	206/235		322
Benzene Domestic East China Import Parity Marker	USD	AAECH00	AAECH03	AAECH04	Spot	Ex-tank	China	Average of prompt, Mo0, and Mo02 laycan	500	1,000	MT	206/235	436	322
Benzene East China Sinopec Listed Price	CNY	AAECI00			Contract price	Ex-tank	China					206		
ENEOS Corporation Benzene CP Nomination	USD	AATU000			Monthly contract price nomination	CFR	Asia			MT		322		
ENEOS Corporation Benzene CP Settlement	USD	AATUP00			Monthly contract price settlement	CFR	Asia			MT		322		

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Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	Mavg	Wavg
<b>Benzene Swaps</b>														
Benzene FOB Korea Paper BalMo	USD	AAVYV00	AAVYV03		Derivatives		South Korea		1,000	MT	766		770	
Benzene FOB Korea Paper Mo01	USD	AAVYV01	AAVYV11		Derivatives		South Korea		1,000	MT	766		770	
Benzene FOB Korea Paper Mo02	USD	AAVYV02	AAVYV12		Derivatives		South Korea		1,000	MT	766		770	
Benzene FOB Korea Paper Mo03	USD	AAVYV04	AAVYV14		Derivatives		South Korea		1,000	MT	766		770	
Benzene FOB Korea Paper Mo04	USD	AAVYV04	AAVYV14		Derivatives		South Korea		1,000	MT	766		770	
Benzene FOB Korea Paper Mo05	USD	AAVYV05	AAVYV15		Derivatives		South Korea		1,000	MT	766		770	
Benzene FOB Korea Paper Mo06	USD	AAVYV06	AAVYV16		Derivatives		South Korea		1,000	MT	766		770	
<b>Toluene</b>														
Toluene FOB Korea Marker	USD	PHAS005	PHASP03	PHAXB04	Spot	FOB	South Korea	3rd & 4th half-month cycles.	2,000	2,000	MT	3.04	218	436 326
Toluene FOB Korea W2	USD	AAMGM00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene FOB Korea W3	USD	AAMGP00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene FOB Korea W4	USD	AAQNF00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene FOB Korea W5	USD	AAWYI00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene FOB Korea W6	USD	AAWYJ00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene CFR China LC 90	USD	AASBE00	AASBE03	AASBE04	Spot	CFR	China	3rd & 4th half-month cycles.	2,000	2,000	MT	3.04	218	449 326
Toluene CFR China W2 LC 90	USD	AASBG00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene CFR China W3 LC 90	USD	AASBH00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene CFR China W4 LC 90	USD	AASBJ00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene CFR China W5 LC 90	USD	AASBL00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene CFR China W6 LC 90	USD	AASBK00			Spot	CFR	China	Anytime during that half-month	2,000	2,000	MT	3.04	218	
Toluene CFR India	USD	AAVBQ04	AAVBQ03	AATBQ04	Spot	CFR	India	Anytime during the 3rd (W3) laycan	2,000	2,000	MT	3.04	218	449 326
Toluene FOB China Marker	USD	AASXF00	AASXF03	AASXF04	Spot	FOB	China	3rd & 4th half-month cycles.	3,000	6,000	MT	3.04	218	449 326
Toluene FOB China W3	USD	AASXG00			Spot	FOB	China	Anytime during that half-month	3,000	6,000	MT	3.04	218	
Toluene FOB China W4	USD	AASXH00			Spot	FOB	China	Anytime during that half-month	3,000	6,000	MT	3.04	218	
Toluene CFR India cash differential	USD	AATBR00	AATBR03		Spot	CFR	India	Anytime during the 3rd (W3) laycan	2,000	2,000	MT	3.04	218	449
Toluene CFR SE Asia Weekly	USD	PHAFR00	PHBGX03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	2,000	MT	3.04	326	436
Toluene FOB SE Asia Weekly	USD	AAVBP04	AAVBP03		Spot	FOB	Southeast Asia	20-40 days forward from date of publication	2,000	2,000	MT	3.04	326	
Toluene China Dom Yuan/Mt Dly	CNY	AASZB00		AASZB01	Spot	Ex-tank	China	Loaded up to 10 days forward from date of publication	50	100	MT	3.04	218	326
Toluene East China Inventories		AAVPO00					China			MT		101		
Toluene South China Inventories		AAVPR00					China			MT		101		
<b>Styrene Monomer</b>														
FOB Korea Marker	USD	AAMFL00	PHASV03	AAMFN00	Spot	FOB	South Korea	3rd & 4th forward half-month cycles.	2,000	2,000	MT	22.04	215	436 340
FOB Korea W2	USD	AAMFU00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215	
FOB Korea W3	USD	AAMFX00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215	
FOB Korea W4	USD	AAPFF00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215	
FOB Korea W5	USD	AAWYK00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04	215	

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Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	Mavg	Wavg
FOB Korea W6	USD	AAYYL00			Spot	FOB	South Korea	Anytime during that half-month	2,000	2,000	MT	22.04 215		
CFR China Marker	USD	AAMFI00	AAMFK00	AAVMA04	Spot	CFR	China	3rd & 4th forward half-month cycles.	2,000	3,000	MT	22.04 215		340
CFR China W2	USD	AAVJ000			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04 215		
CFR China W3	USD	AAVJP00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04 215		
CFR China W4	USD	AAVJQ00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04 215		
CFR China W5	USD	AAVMA00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04 215		
CFR China W6	USD	AAVMB00			Spot	CFR	China	Anytime during that half-month	2,000	3,000	MT	22.04 215		
FOB China Marker	USD	STYFC00	STYFC03	STYFC04	Spot	FOB	China	2nd & 3rd forward half-month cycles.	3,000	5,000	MT	22.04 215	436	340
FOB China W2	USD	STYFD00			Spot	FOB	China	Anytime during that half-month	3,000	5,000	MT	22.04 215		
FOB China W3	USD	STYFE00			Spot	FOB	China	Anytime during that half-month	3,000	5,000	MT	22.04 215		
CFR Taiwan	USD	PHACB00	PHBHE03	AAOSY00	Spot	CFR	Taiwan	20-40 days forward from date of publication	2,000	2,000	MT	22.04 215	436	340
CFR Southeast Asia Weekly	USD	PHACC00	PHBHF03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	2,000	MT	22.04 340	436	
CFR India Weekly	USD	AABAA00	AABAB00		Spot	CFR	India	20-40 days forward from date of publication	2,000	2,000	MT	22.04 340	449	
East China Domestic prompt	CNY	AAOTU00		AASZC01	Spot	Ex-tank	China	0-10 days forward	500	1,000	MT	22.04 215		340
East China Domestic Bal-M1	CNY	AAOUA00	AAOUA03	AAOUA04	Spot	Ex-tank	China	within the current calendar month on the date of publication	500	1,000	MT	22.04 215		340
East China Domestic M2	CNY	AAOUB00	AAOUB03	AAOUB04	Spot	Ex-tank	China	within the second calendar month from date of publication	500	1,000	MT	22.04 215		340
Styrene East China Inventories		AAVPQ00					China				MT	101		
Styrene South China Inventories		AAVPT00					China				MT	101		
<b>Isomer-grade mixed xylene</b>														
Isomer-MX FOB Korea Marker	USD	PHAUV00	PHAUV03	PHAUV11	Spot	FOB	South Korea	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	3.03 645	436	647
Isomer-MX FOB Korea W2	USD	PHAUV12			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX FOB Korea W3	USD	PHAUV13			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX FOB Korea W4	USD	PHAUV14			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX FOB Korea W5	USD	AAXHK00			Spot	FOB	South Korea	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR Taiwan Marker	USD	PHAUT00	PHAUT03	PHAUT11	Spot	CFR	Taiwan	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	3.03 645	436	647
Isomer-MX CFR Taiwan W2	USD	PHAUT12			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR Taiwan W3	USD	PHAUT13			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR Taiwan W4	USD	PHAUT14			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR Taiwan W5	USD	AAXHL00			Spot	CFR	Taiwan	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR China Marker	USD	MXICA00	MXICA03	MXICA04	Spot	CFR	China	Average of 3rd (W3) and 4th (W4) laycan	3,000	3,000	MT	3.03 645	436	647
Isomer-MX CFR China W2	USD	MXICB00			Spot	CFR	China	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR China W3	USD	MXICC00			Spot	CFR	China	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR China W4	USD	MXICD00			Spot	CFR	China	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Isomer-MX CFR China W5	USD	MXICE00			Spot	CFR	China	Anytime during that laycan	3,000	3,000	MT	3.03 645		
Mixed xylenes East China Inventories		AAVPP00					China				MT	101		
Mixed xylenes South China Inventories		AAVPS00					China				MT	101		



**APAC Aromatics and Methanol**

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	PC Page		
													Mavg	Wavg	
<b>Solvent-grade mixed xylene</b>															
Solvent-MX CFR China Weekly	USD	AASBF04	AASBF03		Spot	CFR	China	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416	449	
Solvent-MX FOB Korea Weekly	USD	PHAUX04	PHAUY03		Spot	FOB	South Korea	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416	436	
Solvent-MX CFR Southeast Asia Weekly	USD	PHAUP04	PHAUQ03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416	436	
Solvent-MX CFR India Weekly	USD	ASMXA04	ASMXA03		Spot	CFR	India	20-40 days forward from date of publication	1,000	2,000	MT	3.03	416		
<b>Paraxylene (PX)</b>															
Paraxylene FOB Korea Marker	USD	PHASS05	AAITP00	AAOSX00	Spot	FOB Korea	South Korea	Average of 4th (W4), 5th (W5) and 6th (W6) laycan	5,000	5,000	MT		214	436	337
Paraxylene FOB Korea W2	USD	AAQNB00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene FOB Korea W3	USD	AAQNC00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene FOB Korea W4	USD	AAQND00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene FOB Korea W5	USD	AAXHF00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene FOB Korea W6	USD	AAQNG00			Spot	FOB Korea	South Korea	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China Marker	USD	AAQNE00	AAVZF00	AAASY00	Spot	CFR Taiwan/China	Taiwan, China	Average of 4th (W4), 5th (W5) and 6th (W6) laycan	5,000	5,000	MT		214	436	337
Paraxylene CFR Taiwan/China W2	USD	AAXHG00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China W3	USD	AAXHH00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China W4	USD	AAXHI00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China W5	USD	AAXHJ00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China W6	USD	ABXHK00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China Asia/Open Spread M1	USD	APARA00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China Asia/Open Spread M2	USD	APARB00			Spot	CFR Taiwan/China	Taiwan, China	Anytime during that laycan	5,000	5,000	MT		214		
Paraxylene CFR Taiwan/China Weekly	USD	PHABU00	PHBHB03		Spot	CFR Taiwan/China	Taiwan, China	Average of 4th (W4), 5th (W5) and 6th (W6) laycan	5,000	5,000	MT		337		



**APAC Aromatics and Methanol**

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	PC Page	
													Mavg	Wavg
Paraxylene CFR Northeast Asia Near-haul Marker	USD	PXNHE00	PXNHE03	PXNHE04	Spot	CFR Northeast Asia Near-haul	Taiwan, China	Average of 4th (Half Mo4) and 5th (Half Mo5) laycans	5,000	5,000	MT	214	436	337
Paraxylene CFR Northeast Asia Near-haul Half Mo2	USD	PXNHG00			Spot	CFR Northeast Asia Near-haul	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Northeast Asia Near-haul Half Mo3	USD	PXNHH00			Spot	CFR Northeast Asia Near-haul	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Northeast Asia Near-haul Half Mo4	USD	PXNHI00			Spot	CFR Northeast Asia Near-haul	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Northeast Asia Near-haul Half Mo5	USD	PXNHJ00			Spot	CFR Northeast Asia Near-haul	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR Northeast Asia Near-haul Half Mo6	USD	PXNHK00			Spot	CFR Northeast Asia Near-haul	Taiwan, China	Anytime during that laycan	5,000	5,000	MT	214		
Paraxylene CFR SE Asia Weekly	USD	PHABV00	PHBHC03		Spot	CFR Southeast Asia	Southeast Asia	20-40 days forward from date of publication	5,000	5,000	MT	337	436	
Paraxylene East China Domestic (delivered)	CNY	PXCHD00	PXCHD03	PXCHD04	Spot		East China	Anytime during the 2th (W2) laycan	5,000	5,000	MT	214	436	337
Paraxylene Demurrage	USD	PXD MR00	PXD MR03		Spot		Taiwan, China	21-30 days forward from date of publication			Day	214		
Paraxylene Producer CFR ACP Settlement	USD	AAOTT00			Monthly contract price settlement	CFR Taiwan/China	Asia				MT	337		
Paraxylene ExxonMobil ACP nomination	USD	PXEXN04			Monthly contract price nomination		Asia				MT	337		
Paraxylene ExxonMobil ACP settlement	USD	EM PXA00			Monthly contract price settlement		Asia				MT	337		
Paraxylene Idemitsu ACP nomination	USD	PXIKN04			Monthly contract price nomination		Asia				MT	337		
Paraxylene Idemitsu ACP settlement	USD	ID PXA00			Monthly contract price settlement		Asia				MT	337		
Paraxylene ENEOS Corporation ACP nomination	USD	PXJXN04			Monthly contract price nomination		Asia				MT	337		

## APAC Aromatics and Methanol

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	PC Page	
													Mavg	Wavg
Paraxylene ENEOS Corporation ACP settlement	USD	<b>NIPXA00</b>			Monthly contract price settlement		Asia			MT		337		
Paraxylene S-Oil ACP nomination	USD	<b>AAWII00</b>			Monthly contract price nomination		Asia			MT		337		
Paraxylene S-Oil ACP settlement	USD	<b>AAWIM00</b>			Monthly contract price settlement		Asia			MT		337		
Paraxylene Reliance ACP nomination	USD	<b>PXRLN04</b>			Monthly contract price nomination		Asia			MT		337		
Paraxylene Reliance ACP settlement	USD	<b>PXRLS03</b>			Monthly contract price settlement		Asia			MT		337		
Paraxylene SKGC ACP nomination	USD	<b>PXSKN04</b>			Monthly contract price nomination		Asia			MT		337		
Paraxylene SKGC ACP settlement	USD	<b>PHCHC00</b>			Monthly contract price settlement		Asia			MT		337		
Paraxylene Sinopec CP Nomination	USD	<b>AAUBW00</b>			Monthly contract price nomination		Asia			MT		337		
Paraxylene Sinopec CP Nomination	CNY	<b>AAUBY00</b>			Monthly contract price nomination		Asia			MT		337		
Paraxylene Sinopec CP Settlement	USD	<b>AAUBX00</b>			Monthly contract price settlement		Asia			MT		337		
Paraxylene Sinopec CP Settlement	CNY	<b>AAUBZ00</b>			Monthly contract price settlement		Asia			MT		337		
CFR Taiwan/China Asia/open spread	USD	<b>APARA00</b>			Spot	CFR Taiwan/China	Taiwan, China			MT		214		
CFR Taiwan/China Asia/open spread	USD	<b>APARB00</b>			Spot	CFR Taiwan/China	Taiwan, China			MT		214		
CFR Taiwan/China spread to Jiaxing Port	USD	<b>AAROM01</b>			Spot	CFR Taiwan/China	Taiwan, China			MT		214		
CFR Taiwan/China spread to Jiaxing Port	USD	<b>AAROM02</b>			Spot	CFR Taiwan/China	Taiwan, China			MT		214		
<b>PX Derivatives</b>														
Paraxylene CFR Taiwan/China Derivatives Mo01	USD	<b>AARNM01</b>			Derivatives		Taiwan, China		1,000	MT		214		337
Paraxylene CFR Taiwan/China Derivatives Mo02	USD	<b>AARNM02</b>			Derivatives		Taiwan, China		1,000	MT		214		337
Paraxylene CFR Taiwan/China Derivatives Mo03	USD	<b>AARNM03</b>			Derivatives		Taiwan, China		1,000	MT		214		337

## APAC Aromatics and Methanol

													PC Page		
Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	Mavg	Wavg	
Paraxylene CFR Taiwan/China Derivatives Mo04	USD	AARNM04			Derivatives		Taiwan, China		1,000	MT		214		337	
Paraxylene CFR Taiwan/China Derivatives Mo05	USD	AARNM05			Derivatives		Taiwan, China		1,000	MT		214		337	
Paraxylene CFR Taiwan/China Derivatives Mo06	USD	AARNM06			Derivatives		Taiwan, China		1,000	MT		214		337	
<b>Orthoxylene (OX)</b>															
CFR China	USD	AAOTS00	AAOTS03		Spot	CFR	China	20-40 days forward from date of publication	2,000	3,000	MT	334		449	
FOB Korea	USD	PHAUZ04	PHAVA03		Spot	FOB	South Korea	20-40 days forward from date of publication	2,000	3,000	MT	334		436	
CFR Southeast Asia	USD	PHABM00	PHAUG03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	3,000	MT	334		436	
<b>Methanol</b>															
Methanol CFR China	USD	AAWAZ00	AAWAZ03	AAWAZ04	Spot	CFR	China	20-50 days forward from date of publication	5,000	10,000	MT	3.33	653, 348	449	348
Methanol Domestic China (Ex-Tank)	CNY	AAWBB00	AAWBB03	AAWBB04	Spot	Ex-tank	China	0-10 days forward from date of publication	200	500	MT		653, 348		348
Methanol Domestic China weekly	CNY	AAVAR04	AAVAR03		Spot	Ex-tank	China	0-10 days forward from date of publication	200	500	MT		348		348
Methanol CFR SE Asia	USD	AAWBA00	AAWBA03	AAWBA04	Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	5,000	MT	3.33	653		348
Methanol CFR SE Asia weekly	USD	PHACJ00	PHBJ03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	5,000	MT	3.33	348		436
Methanol CFR Korea weekly	USD	PHACH00	PHBHH03		Spot	CFR	South Korea	20-40 days forward from date of publication	3,000	5,000	MT	3.33	348		436
Methanol CFR Taiwan weekly	USD	PHACI00	PHBHI03		Spot	CFR	Taiwan	20-40 days forward from date of publication	2,000	5,000	MT	3.33	348		436
Methanol CFR India	USD	MLCFI00	MLCFI03	MLCFI04	Spot	CFR	India	20-45 days forward from date of publication	5,000	10,000	MT	3.33	348, 412, 653, 542	449	348
Methanol CFR India (netback)	USD	AABAG00	AABAH00		Spot	CFR	India		5,000	10,000	MT	3.33	348		449
Methanol Domestic India (Ex-Tank)	INR	ATANA00	ATANA03	ATANA04	Spot	Ex-tank	India	0-15 days forward from date of publication	100	300	MT		348, 653, 542	449	348
Methanol Domestic India (Ex-Tank)	USD	ATANB00	ATANB03	ATANB04	Spot	Ex-tank	India	0-15 days forward from date of publication	100	300	MT	3.33	348, 653, 542	449	348
eMethanol cost FOB Shanghai	USD	FAGMD00	FAGMD03	FAGMD04	Spot	FOB	China	5-30 days forward from date of publication	500	1,500	MT	3.33	348, 447, 653	447	348
Methanol CFR Asia CP Nomination	USD	AAVX00			Monthly contract price nomination	CFR	Asia				MT	3.33	348		
Methanol Bunkers Singapore	USD	MLBSG00	MLBSG03	MLBSG04	Spot	CFR	Singapore	20-40 days forward from date of publication	2,000	5,000	MT	3.33	654	198	199
Methanol Bunkers Singapore (LNG)	USD	MLBSL00	MLBSL03	MLBSL04	Spot	CFR	Singapore	20-40 days forward from date of publication	2,000	5,000	MT		654	198	199
Methanol Bunkers Singapore (Oil)	USD	MLBSO00	MLBSO03	MLBSO04	Spot	CFR	Singapore	20-40 days forward from date of publication	2,000	5,000	MT		654	198	199
Methanol Bunker Singapore Calorific Value \$/GJ per cu m	USD	CVMLS00					Singapore				GJ/cu m		2853		
LNG Bunker Singapore Calorific Value \$/GJ per cu m	USD	CVLNS00					Singapore				GJ/cu m		2853		
Marine Fuel 0.5% Dlvd Singapore Calorific Value \$/GJ per cu m	USD	CVMFS00					Singapore				GJ/cu m		2853		
Marine Gasoil 0.1% Dlvd Singapore Calorific Value \$/GJ per cu m	USD	CVMGS00					Singapore				GJ/cu m		2853		

## APAC Aromatics and Methanol

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size UOM	Conv	Code	PC Page	
													Mavg	Wavg
<b>Methanol Derivatives</b>														
Methanol CFR China derivative Mo01	USD	MAWAZ01			Derivatives		China		1,000	MT		653		
Methanol CFR China derivative Mo02	USD	MAWAZ02			Derivatives		China		1,000	MT		653		
Methanol CFR China derivative Mo03	USD	MAWAZ03			Derivatives		China		1,000	MT		653		
Methanol CFR China derivative Mo04	USD	MAWAZ04			Derivatives		China		1,000	MT		653		
Methanol CFR China derivative Mo05	USD	MAWAZ05			Derivatives		China		1,000	MT		653		
Methanol CFR China derivative Mo06	USD	MAWAZ06			Derivatives		China		1,000	MT		653		

### Aromatics and Methanol

#### Benzene

**Assessment window:** Daily assessments FOB Korea, CFR China, FOB Southeast Asia and China domestic ex-tank prices, based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments basis CFR Taiwan, up to close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea, CFR China, FOB Southeast Asia and China domestic ex-tank are published on Fridays.

**Timing:** Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. Platts does not assess the prompt first half-month laycan. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if it's a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month

laycans assessed would be H2 March, H1 April, H2 April, H1 May, and H2 May. The daily FOB Korea marker averages the third, fourth and fifth half-month forward assessments. Daily price differentials (premium/discount) basis FOB Southeast Asia relative to daily assessments FOB Korea are published for second, third and fourth half-month loading laycans. The daily marker FOB Southeast Asia is calculated using the FOB Korea marker plus averaged differentials to FOB Korea assessments for the respective third and fourth half-month laycans. Daily assessments CFR China evaluate cargoes for delivery in third, fourth, fifth and sixth half-month cycles. The daily CFR China marker averages the third and fourth half-month assessments. East China prompt domestic assessments in Yuan/mt cover parcels to be loaded up to 10 days forward from the date of publication. East China Domestic bal-M1 marker will reflect prices of cargoes in Yuan/mt loaded within the current calendar month on the date of publication. East China Domestic M2 marker will reflect prices of cargoes in Yuan/mt loaded within the second calendar month from the date of publication. The daily East China marker averages the prompt, bal-M1 and M2 East China domestic assessments. The import parity equivalent

of the East China domestic assessments is calculated by factoring in the prevailing value added tax rate, prevailing import duties and the USD/Yuan central parity exchange rate. Weekly assessments basis CFR Taiwan evaluate cargoes delivered 20-40 days forward from the date of publication.

**Basis and locations:** FOB Korea: Onsan, Ulsan, Yeosu loaded from berths able to accommodate MR (Medium Range)-sized vessels. Platts will normalize bids/offers/trades which include Daesan/Incheon ports. CFR China: Caojing, Ningbo, Jiangyin, Changzhou, but excludes terminals that cannot accommodate vessels larger than 5,000 dwt. CFR Taiwan: Kaohsiung, Keelung, Mailiao; FOB Southeast Asia: Singapore, Thailand (Map Ta Phut), Malaysia (Pasir Gudang), Indonesia (Tuban). Domestic China: ex-tank Jiangyin and Changzhou.

**Cargo size:** 3,000 mt. Domestic China: 500-1,000 mt.

**Credit terms:** FOB Korea, FOB Southeast Asia, CFR Taiwan are assessed L/C at sight basis. CFR China is assessed at L/C 90 days. China Domestic is assessed at-sight basis with cash

payment, and includes prevailing value added tax. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Conforming to latest edition of international standard ASTM D-2359.

**FOB Korea nomination standards:**

Buyers to declare the half-month loading by 10th of the preceding month.

Sellers to declare load port 15 days prior to the first day of the declared half-month laycan.

Buyers to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan.

Buyers to nominate vessel 10 days prior to the first day of the 5-day loading laycan.

Buyers to open irrevocable L/C at sight 7 days prior to the first day of the laycan.

**CFR China and CFR Taiwan nomination standards:**

Sellers to declare the half-month of delivery by 15 days prior to the first day of the month.

Buyers to declare discharge port 15 days prior to the half-month delivery period or 15 days prior to the first day of the laycan.

Sellers to nominate vessel 10 days prior to 1st day of the half-month of delivery or 10 days prior to the first day of the laycan.

**Benzene contract prices:** Platts publishes the East China contract price of benzene by China Petroleum & Chemical Corporation, or Sinopec, in Yuan/mt daily. Platts also publishes

the monthly nomination and settlement contract price by ENEOS Corporation in \$/mt CFR Asia.

### Benzene Derivatives

**Assessment window:** Platts publishes daily benzene derivatives that settle against the Platts FOB Korea assessments, based on latest information sourced from the market up to the close of the assessment process at 4:30 pm Singapore time (0830 GMT).

**Timing:** Daily benzene derivatives assessments are balance month and six forward months. Balance month derivatives assessments are available up to and including the 15th of each month. Monthly derivatives roll on the first publishing day of each month. For example, on November 1, the forward months assessed would be balance November, December, January, February, March, April and May. On November 16, the forward months assessed would be December, January, February, March, April and May.

**Volume:** The benzene derivatives reflect transactions of a minimum of 1,000 mt.

### Toluene

**Assessment window:** Daily assessments FOB Korea L/C at sight, CFR China L/C 90 days, FOB China, domestic China ex-tank, CFR India outright and cash differential assessments are based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). The CFR India cash differential assessment reflects the value of the CFR India assessment above the Platts daily FOB Korea toluene marker at 4:30 pm Singapore time. Weekly assessments FOB Southeast Asia and CFR Southeast Asia, up to close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays, all correspond to an L/C 0-30 days basis. Weekly averages of daily assessments FOB Korea L/C at sight, CFR China L/C 90 days and CFR India are published on Fridays.

**Timing:** Daily assessments FOB Korea L/C at sight and CFR China L/C 90 days evaluate cargoes for loading (FOB Korea) and delivery (CFR China) in the second, third, fourth, fifth and sixth half-month laycans. The daily FOB China assessments evaluate cargoes for loading in the third and fourth half-month laycans. The daily CFR India assessments evaluate cargoes for delivery in the third half-month laycan. Platts does not assess the prompt first half-month laycan. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if it's a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month laycans assessed would be H2 March, H1 April, H2 April, H1 May, and H2 May. The daily FOB Korea marker averages the third and fourth half-month assessment ranges. The daily CFR China marker averages the third and fourth half-month assessment ranges. The daily FOB China marker averages the third and fourth half-month assessments. Weekly assessments basis CFR Southeast Asia evaluate cargoes to be delivered 20-40 days forward from the date of publication. Weekly assessments basis FOB Southeast Asia evaluate cargoes to be loaded 20-40 days forward from the date of publication. China Domestic: Parcels to be loaded up to 10 days forward from the date of publication.

**Basis and locations:** FOB Korea: Daesan, Ulsan, Yeosu; CFR China: Dongguan, Jiangyin, Nanjing, Nansha, Ningbo, Shanghai, Zhangjiagang, Zhenjiang; FOB China: Ningbo, Zhangjiagang, Jiangyin, Nantong. Loadings from other Chinese ports such as Maoming, Huizhou, Dongguan, Zhuhai, Dalian, Tianjin may be normalized to east China for the assessments; CFR India: Kandla and Mumbai; FOB Southeast Asia: Singapore, Malaysia (Pasir Gudang), Indonesia (Merak); CFR Southeast Asia: Malaysia (Port Klang), Indonesia (Merak, Surabaya), the Philippines (Batangas). China Domestic: Ex-tank Zhangjiagang.

**Cargo size:** FOB Korea, CFR China, CFR India: 2,000 mt; FOB China: 3,000-6,000 mt. Cargoes of other sizes may be normalized to the standard reflected in the assessment; FOB

Southeast Asia, CFR Southeast Asia: 2,000 mt. China Domestic: 50-100 mt. For lots larger than 100 mt, value will be normalized according to market fundamentals.

**Credit terms:** FOB Korea and FOB China are assessed on an L/C at sight basis. FOB Southeast Asia and CFR Southeast Asia are assessed on L/C 0-30 days credit terms; CFR China and CFR India are assessed on L/C 90 days credit terms. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment. China Domestic is assessed at-sight basis with cash payment.

**Terms and conditions:** Platts assesses toluene cargoes of open origin and may not consider for assessment bids basis FOB Korea which state Korean-origin restriction. Domestic China assessment is inclusive of prevailing value added tax. For CFR India, bids, offers, trades and indications heard for delivery into other Indian ports may be normalized to Kandla and/or Mumbai basis.

**Quality specifications:** Nitration-grade conforming to latest edition of international standard ASTM D-841. FOB China reflects an additional parameter of minimum guaranteed purity level of 99.5%, and toluene with higher purity level normalized to the standard for the assessment. CFR India outright and cash differential assessments reflect an additional parameter of minimum 99.5% purity content.

#### FOB Korea nomination standards:

Buyers to declare the half-month loading by 10th of the preceding month.

Sellers to declare load port 15 days prior to the first day of the declared half-month laycan.

Buyers to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan.

Buyers to nominate vessel 10 days prior to the first day of the 5-day loading laycan.

Buyers to open irrevocable L/C at sight 7 days prior to the first day of the laycan.

#### CFR China nomination standards:

Sellers to declare the half-month of delivery by 15 days prior to the first day of the month.

Buyers to declare discharge port 15 days prior to the half-month delivery period or 15 days prior to the first day of the laycan.

Sellers to nominate vessel 10 days prior to 1st day of the half-month of delivery or 10 days prior to the first day of the laycan.

#### Styrene Monomer (SM)

**Assessment window:** Daily assessments FOB Korea, CFR China, FOB China, CFR Taiwan and China domestic ex-tank based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Southeast Asia and CFR India up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea, CFR China, FOB China and CFR Taiwan are published on Fridays.

**Timing:** Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. Platts does not assess the prompt first half-month laycan. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if it is a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month laycans assessed would be H2 March, H1 April, H2 April, H1 May and H2 May. Daily assessments CFR China evaluate cargoes for delivery in second, third, fourth, fifth and sixth half-month

laycans. Daily FOB Korea and CFR China markers average the third and fourth half-month laycan assessments. Daily FOB China evaluate cargoes for loading in second and third half-month laycans, The FOB China marker averages the second and third half-month laycan assessments. Daily CFR Taiwan marker is assessed 20-40 days forward. Weekly assessments basis CFR Southeast Asia and CFR India evaluate cargoes to be delivered 20-40 days forward from the date of publication. East China prompt domestic assessments cover parcels to be loaded up to 10 days forward from the date of publication. East China domestic bal-M1 marker will reflect prices of cargoes in Yuan/mt loaded within the current calendar month on the date of publication. East China domestic M2 marker will reflect prices of cargoes in Yuan/mt loaded within the second calendar month from the date of publication.

**Basis and locations:** FOB Korea: Daesan, Ulsan, Yeosu; CFR China: Jiangyin, Nantong, Ningbo, Zhangjiagang; FOB China: Jiangyin, Nantong, Zhangjiagang, Changshu; CFR Taiwan: Kaohsiung, Mailiao, Anping. In the absence of bids, offers, trades and price indications on a CFR Taiwan basis, the CFR Taiwan assessment would take into consideration price information and adjacent market activity reported to Platts throughout the day, and values for all reported trades in adjacent markets are normalized to reflect the prevailing value of the CFR Taiwan market at 4:30 pm Singapore time (0830 GMT), allowing for freight costs; CFR Southeast Asia: Map Ta Phut, Manila Bay (anchorage, barge cost not included); CFR India: Mumbai, Vizag; China Domestic: Ex-tank Zhangjiagang, Jiangyin and Changzhou.

**Cargo size:** CFR China: 2,000-3,000 mt. FOB Korea: 2,000 mt. FOB China: 3,000-5,000 mt; China Domestic: 500-1,000 mt.

**Credit terms:** FOB Korea is assessed L/C at sight basis; CFR China is assessed at L/C 90 days; FOB China is assessed at L/C at sight; CFR Taiwan is assessed at L/C 30 days; CFR India is assessed at L/C 90 days; CFR Southeast Asia is assessed at L/C 30 days; China Domestic is assessed at-sight basis with cash

payment. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

**Terms and conditions:** Platts assesses styrene monomer cargoes of open origin. Domestic China assessment is inclusive of prevailing value added tax rate.

**Quality specifications:** Conforming to latest edition of international standard ASTM D-2827.

**FOB Korea nomination standards:**

Buyers to declare the half-month loading by 15 days prior to the first day of the month.

Sellers to declare load port 15 days prior to the first day of the declared half-month laycan.

Buyers and sellers mutually agree to a maximum 5-day loading laycan.

Buyers to nominate vessel 10 days prior to the first day of the loading laycan.

Buyers to open irrevocable L/C at sight 7 days prior to the first day of the laycan.

**CFR China and CFR Taiwan nomination standards:**

Sellers to declare the half-month of delivery by 15 days prior to the first day of the month.

Buyers to declare discharge port 15 days prior to the half-month delivery period or 15 days prior to the first day of the laycan, before opening the L/C.

Sellers to nominate vessel 10 days prior to the first day of the laycan.

**Isomer-Grade Mixed Xylenes (ISO-MX)**

**Assessment window:** Daily assessments FOB Korea, CFR Taiwan and CFR China, based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments FOB Korea, CFR Taiwan and CFR China are published on Fridays.

**Timing:** Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth and fifth half-month laycans. Platts does not assess the prompt first half-month laycan. Daily assessments CFR Taiwan and CFR China evaluate cargoes for delivery in second, third, fourth and fifth half-month laycans. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if it's a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on March 1, the half-month laycans assessed would be H2 March, H1 April, H2 April and H1 May. The daily FOB Korea, CFR Taiwan and CFR China markers average the respective third and fourth half-month assessment ranges.

**Basis and locations:** FOB Korea: Daesan, Ulsan, Yeosu, Incheon; CFR Taiwan: Kaohsiung, Keelung, Mailiao, CFR China: Zhangjiagang. Platts may normalize deliveries into all other Chinese ports by using prevailing freight differentials and other relevant information.

**Cargo size:** 3,000 mt.

**Credit terms:** FOB Korea is assessed at L/C 30 days; CFR Taiwan is assessed at L/C 30 days for Asia origin cargoes and L/C 60 days for deepsea origin cargoes, and CFR China is assessed at L/C 90 days. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Conforming to latest edition of international standard ASTM D-843. Maximum bromine index of 20 ppm, maximum ethylbenzene content of 18% by wt, maximum non-aromatics content of 1% by wt and minimum paraxylene content of 18% by wt.

**FOB Korea nomination standards:**

Buyers to declare the half-month of loading on the 15th calendar day of the month prior to the month of loading.

Sellers to declare the port of loading on the 15th calendar day of the month prior to the month of loading.

Buyers to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan.

Buyers to nominate vessel 10 days prior to the first day of the 5-day loading laycan.

Buyers to open irrevocable L/C 7 days prior to the first day of the laycan.

**CFR Taiwan and CFR China nomination standards:**

Sellers to declare half-month of delivery on the 15th calendar day of the month prior to the month of delivery.

Buyers to declare discharge port on the 15th calendar day of the month prior to the month of delivery.

Sellers to nominate vessel at least 10 days prior to the first day of the half month of delivery.

Buyers to open irrevocable L/C no later than 7 days prior to the payment date or first day of the laycan, whichever is earlier.



## Solvent-Grade Mixed Xylenes (SOL-MX)

**Assessment window:** Weekly assessments FOB Korea, CFR Southeast Asia, CFR India and CFR China based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

**Timing:** Weekly assessments FOB Korea evaluate cargoes to be loaded 20-40 days forward from the date of publication. Weekly assessments CFR Southeast Asia, CFR India and CFR China evaluate cargoes to be delivered 20-40 days forward from the date of publication.

**Basis and locations:** FOB Korea: Daesan, Ulsan, Yeosu; CFR Southeast Asia: Indonesia (Merak, Surabaya), Malaysia (Port Klang), Vietnam (Ho Chi Minh City); CFR China: Zhangjiagang, Jiangyin and Changshu; CFR India: Kandla and Mumbai.

**Cargo size:** 1,000-2,000 mt.

**Terms and conditions:** FOB Korea is assessed on an L/C at sight basis. CFR Southeast Asia is assessed on a 30-day L/C basis. CFR China and CFR India is assessed on a 90-day L/C basis.

**Quality specifications:** Solvent-MX with maximum non-aromatics content of 4%, conforming to international standards and equivalence. Solvent-MX with a lower or higher non-aromatics content than 4% will be normalized back to such a value.

## Paraxylene (PX)

**Assessment window:** Daily physical cargo assessments FOB Korea, CFR Taiwan/China, CFR Northeast Asia near-haul and daily China domestic CNY conversion based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessment CFR Southeast Asia up to the close of the

assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly averages of daily assessments FOB Korea, CFR Taiwan/China, CFR Northeast Asia near-haul and China domestic CNY conversion are published on Fridays.

**Timing:** Daily assessments FOB Korea evaluate cargoes for loading in second, third, fourth, fifth and sixth half-month laycans. Daily assessments CFR Taiwan/China evaluate cargoes for delivery in second, third, fourth, fifth and sixth half-month laycans. Daily assessments CFR Northeast Asia near-haul evaluate cargoes for delivery in second, third, fourth, fifth and sixth half-month laycans. Platts does not assess the prompt first half-month laycan for the FOB Korea, CFR Taiwan/China and CFR Northeast Asia near-haul markers. Each half-month assessment laycan covers 13, 14, 15 or 16 days (if a 28, 29, 30 or 31-day month). All half-month laycans are rolled forward on the 1st and 16th day of each calendar month. For example, on August 1, the half-month laycans assessed would be H2 August, H1 September, H2 September, H1 October and H2 October. The daily FOB Korea and CFR Taiwan/China markers average the means of the assessed high-low ranges for fourth, fifth and sixth half-month laycans. The daily CFR Northeast Asia near-haul marker averages the assessments for fourth and fifth half-month laycans. Weekly assessment CFR Southeast Asia evaluates cargoes to be delivered 20-40 days forward from the date of publication.

Platts daily China domestic CNY converts the first published laycan of the CFR Taiwan/China PX assessment into CNY. The China domestic CNY conversion takes the mean high-low ranges of the first published laycan of the CFR Taiwan/China PX assessment.

**Basis and locations:** FOB Korea: Ulsan, Onsan, Daesan, Yeosu. In the absence of bids, offers, trades and price indications on a FOB Korea basis, Platts assess the daily FOB Korea assessments based on a netback reflective of prevailing freight rates to the CFR Taiwan/China marker. CFR Taiwan/China: par ports: standard Taiwan ports, Ningbo, Dalian, Jiangyin; non-par port: Jiaying). Pricing

information pertinent specifically to deliveries into Jiaying port may be normalized to reflect value at par ports. CFR Northeast Asia near haul assessments: typical near-haul flows of paraxylene into the same basis ports as reflected in the CFR Taiwan/China benchmark, from nearby countries, including, but not limited to, ports in Japan and Korea. CFR Southeast Asia: Indonesia (Merak, Jakarta), Malaysia (Kuantan), Thailand (Map Ta Phut).

**Cargo size:** 5,000 mt on any vessels. CFR Northeast Asia near haul assessments reflect 5,000 mt cargoes delivered on 5,000-20,000 dwt vessels.

**Credit terms:** Terms of payment should reflect standard credit terms as per market practice, as agreed between counterparties. For CFR Northeast Asia near haul assessments, standard credit terms as per market practice for near-haul cargoes concluded on an LC 30 days basis, variations on payment terms may be normalized.

For PX cargo trades reported through the Market on Close assessment process, buyers who receive a 5,000 mt cargo on a non-commensurate vessel should not be exposed to demurrage charges beyond the rate associated with the commensurate vessel size used to deliver PX cargo, which from an extensive study of the shipping market and from market feedback, Platts has found to be up to 20,000 dwt. Sellers may deliver cargoes against MOC trades into CFR Taiwan/China on a larger vessel should they choose to, but the buyer should not be exposed to the full demurrage as stated in the charter party agreement for a vessel above 20,000 dwt. For open origin PX cargo trades reported through the MOC assessment process, the discharge rate (laytime) upon delivery of cargoes should reflect either as stated in the charter party agreement or capped at 150 mt per hour for a 5,000 mt cargo, whichever is the lower of the two. In addition to the above, the discharge rate (laytime) upon delivery of near-haul PX cargoes, also called 'Asian origin' cargoes, against trades in the MOC process will reflect either as stated in the charter party agreement or capped at 125 mt per hour for a 5,000

mt cargo, whichever is the lower of the two. Platts will only publish bids and offers that do not state vessel size. Buyers would accept a 5,000 mt clip delivered on varying sized vessels. Reflecting the spread between Asia origin and open origin cargoes, Platts also publishes Asia/Open spread assessments since Aug. 26, 2022.

**PX demurrage:** The PX demurrage assessment reflects the daily lump-sum demurrage rate of 20,000 dwt vessels, typically loading 21-30 days forward.

**Terms and conditions:** Platts assesses bids on CFR Taiwan/China basis with standard ports of destination at buyer's option; and offers only at buyer's option of port location. Platts may not consider for assessment purposes offers and bids of restrictive optionality. This includes, but is not limited to, single port destination offers, or bids for delivery into ports/terminals which cannot physically receive vessels above 10,000 dwt.

Platts has included Jiaxing port in East China as a non-par delivery port in the PX CFR Taiwan/China MOC assessment process since Jan. 3, 2022. Platts publishes standalone bids into Jiaxing port, where buyers must clearly state the discharge port as Jiaxing at the time of communicating their interest to Platts for publication. Bids or trades into Jiaxing port may be normalized to the standard. For Asian origin cargoes only Platts also publishes bids which give buyers optionality to receive the cargo in Jiaxing or in any of the four par ports (TNDJ+Jiaxing). Platts does not publish standalone offers into Jiaxing as these are considered of a restrictive nature. However, Platts considers and publishes offers, which give buyers optionality to receive the cargo in Jiaxing or in any of the four par ports (TNDJ+Jiaxing). Such offers and trades may be normalized to the standard. For trades reported within the Platts MOC process on CFR Taiwan/China basis, buyers may not unilaterally declare Jiaxing as a discharge port. However, Jiaxing may be requested and mutually agreed and such requests may not be unreasonably withheld. From Aug. 3, 2023, Platts started publishing spread assessments between CFR Taiwan/China main ports and Jiaxing port. The daily spreads are databased for two calendar months reflected in the daily CFR Taiwan/China marker assessment.

The CFR Northeast Asia near haul assessments reflect values of deliveries with a single or double port discharge. In case of more than two discharge ports, the sellers will be expected to deliver the cargo as either the first or second stop.

For any-month bids or offers on CFR basis, seller's optionality over half-month timing is assumed. Platts assesses cargoes of any and all origins in the daily PX CFR Taiwan/China assessments. Country specific bids or trades that do not conform to the norms of trading may be normalized for assessment or may not be considered for publication.

CFR Northeast Asia near-haul assessments reflect typical near-haul flows of paraxylene into China from nearby countries, including, but not limited to, ports in Japan and Korea. The CFR NEA near haul marker does not include the third half month laycan to avoid reflecting cargoes already declared for delivery into specific ports.

Terminal nominations for trades published in the PX CFR Taiwan/China MOC assessment process should be reasonably performable within the published laycan and should account for current infrastructure conditions. Buyers should not knowingly nominate terminals that have a high probability of being unavailable for performance. Trades are subject to performance review and failure to adhere to Platts editorial guidelines can lead to a review of participation status.

**Quality specifications:** Platts assessments reflect a minimum purity of 99.7%, conforming to international standards and equivalence.

#### FOB Korea nomination standards:

Buyers to declare the half-month of loading on the 15th calendar day of the month prior to the month of loading.

Sellers to declare the port of loading on the 15th calendar day of the month prior to the month of loading.

Buyers to declare 5-day loading laycan 10 days prior to the first day of the half-month laycan.

Buyers to nominate vessel at least 10 days prior to the first day of the half-month laycan.

#### CFR Taiwan/China and CFR Northeast Asia near-haul nomination standards:

Sellers to declare half-month of delivery on the 15th calendar day of the month prior to the month of delivery.

Buyers to declare discharge port on the 15th calendar day of the month prior to the month of delivery.

Sellers to nominate vessel at least 10 days prior to the first day of the half month of delivery.

**PX contract prices:** Platts publishes an industry-settled monthly contract price known as the Asia Contract Price in \$/mt CFR Asia. The settlements and producers' ACP nominations are published weekly. The ACP is updated when available, once Platts has information that two independent buyers and two independent sellers have agreed on the same price. If a full monthly settlement is not reached, Platts will not publish the ACP settlement and the value will reflect 'NA'. In addition, Platts publishes the monthly contract price settlement and nomination by China's Sinopec in \$/mt and Yuan/mt.

#### PX Derivatives

**Assessment window:** Platts publishes daily PX derivatives that settle against the Platts CFR Taiwan/China PX assessments, based on latest information sourced from the market up to the close of the assessment process at 4:30 pm Singapore time (0830 GMT).

**Timing:** Daily PX derivatives assessments are six forward months, and are rolled forward on the 1st of each calendar

month. For example, on November 1, the forward months assessed would be December, January, February, March, April and May.

**Volume:** The PX derivatives reflect transactions of a minimum of 1,000 mt.

**Credit terms:** Transactions for paraxylene derivatives reported in the MOC process should reflect counterparties' standard credit and trading terms.

### Orthoxylene (OX)

**Assessment window:** Weekly assessments FOB Korea, CFR Southeast Asia and CFR China based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

**Timing:** Weekly assessments FOB Korea evaluate cargoes to be loaded 20-40 days forward from the date of publication. Weekly assessments CFR Southeast Asia and CFR China evaluate cargoes to be delivered 20-40 days forward from the date of publication.

**Basis and locations:** FOB Korea: Ulsan, Yeosu; CFR Southeast Asia: Singapore, Indonesia, Thailand; CFR China: Zhangjiagang.

**Cargo size:** 2,000-3,000 mt.

**Credit terms:** FOB Korea and CFR Southeast Asia are assessed at 30 days L/C basis. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. CFR China is assessed at 90 days L/C basis.

**Quality specifications:** Minimum purity of 98%; maximum non-aromatic content of 0.3%.

### Methanol

**Assessment window:** Daily physical cargo assessments CFR China, CFR Southeast Asia, CFR India, India domestic and domestic East China ex-tank assessments based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments basis CFR Korea and CFR Taiwan are based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays. Weekly assessment basis CFR India (netback) is a freight netback formula from the CFR China methanol assessment on Wednesdays. The netback formula is based on the CFR China methanol assessment to FOB Middle East using the Middle East-China freight assessment and net forwarded to CFR India using the Middle East-India freight assessment. Weekly averages of daily assessments CFR China, CFR Southeast Asia, CFR India, India domestic and domestic East China ex-tank assessments are published on Fridays.

**Timing:** Daily assessments CFR China evaluate cargoes for delivery 20-50 days forward from the date of publication, CFR India evaluate cargoes for delivery 20-45 days forward from the date of publication, while CFR Southeast Asia, and weekly assessments CFR Korea and CFR Taiwan evaluate cargoes for delivery 20-40 days forward from the date of publication. China domestic: parcels loaded 0-10 days forward from the date of publication. India domestic: parcels loaded 0-15 days forward from the date of publication.

**Basis and locations:** CFR China: Nantong, Taicang, Jiangyin, Zhangjiagang, Ningbo; CFR Korea: Ulsan, Yeosu, Pyeongtaek; CFR Taiwan: Mailiao, Kaohsiung, Taichung; CFR Southeast Asia: Indonesia (Dumai); Malaysia (Port Klang, Kuantan); Singapore. Deliveries to all other Southeast Asian ports will be normalized to this basket of ports applying freight differentials; CFR India: Kandla, Mumbai and Hazira. All pricing information for product delivered into other ports in India such as Cochin, Mangalore

or Visakhapatnam may be normalized to the standard. China domestic: Ex-tank Nantong, Taicang, Jiangyin, Zhangjiagang, Ningbo. India domestic: Ex-tank Kandla.

**Cargo size:** CFR China: 5,000-10,000 mt; CFR Korea: 3,000-5,000 mt; CFR Taiwan, CFR Southeast Asia: 2,000-5,000 mt; and CFR India: 5,000-10,000 mt. China domestic: 200-500 mt. India domestic: 100-300 mt.

**Credit terms:** CFR China assessed at L/C 60-90 days credit terms. CFR Southeast Asia and CFR India assessed at L/C 30 days credit terms. CFR Korea and CFR Taiwan are assessed up to L/C 30 days credit terms. China domestic is assessed at-sight basis with cash payment. Domestic East China assessment is inclusive of prevailing value added tax plus prevailing import duties. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment. India domestic is assessed on 70 days credit basis and is inclusive of prevailing import duty.

**Quality specifications:** CFR China, CFR Korea, CFR Taiwan, CFR Southeast Asia and CFR India: Minimum purity of 99.85%; maximum water content of 0.1% by total weight; maximum ethanol content of 50 ppm. China domestic: Minimum purity of 99.85%; maximum water content of 0.1% by total weight, maximum ethanol content of 100 ppm.

**Cargo origin:** CFR China, India, Southeast Asia, Korea and Taiwan assessments are based on methanol of non-sanctioned origins.

**Methanol contract prices:** Producer CP nominations on CFR Asia basis are published weekly.

### Production cost-based renewable methanol (eMethanol cost)

**Assessment window:** Platts publishes daily eMethanol cost assessment which represents the cost of production,

transportation and storage for renewable methanol, using the Platts daily natural gas assessments (LJNCG00). The assessments are aligned with the assumptions of the Process Economics Program (PEP) formula which provides a calculation of production costs for renewable methanol, produced via electrolysis and direct air-captured carbon dioxide. The variable and fixed inputs are periodically reviewed or as when required to ensure they are representative of prevailing market dynamics.

**Timing:** Daily assessment FOB Shanghai evaluates cargoes for delivery 5-30 days forward from the date of publication.

**Basis and locations:** Shanghai

**Cargo size:** 500-1,500 mt

**Quality specifications:** Minimum purity of 99.85%, maximum water content of 0.1% by weight and maximum ethanol content of 50 mg/kg.

### Methanol Derivatives

**Assessment window:** Platts publishes daily methanol derivatives that settle against the physical Platts CFR China Methanol assessments, based on latest information sourced from the market up to the close of the assessment process at 4:30 pm Singapore time (0830 GMT).

**Timing:** Daily methanol derivatives assessments are six forward months, and are rolled forward on the 1st of each calendar month. For example, on October 1, the forward months assessed would be November, December, January, February, March and April.

**Volume:** The methanol derivatives reflect a minimum of 1,000 mt.

**Credit terms:** Transactions for methanol derivatives reported in the MOC are bilateral trades between counterparties. Any company submitting a bid or offer that can only be traded on a cleared basis should state as such in their bid or offer at the time of submitting for publication.

### Methanol Bunker Singapore

**Assessment window:** Daily physical cargo assessment CFR Southeast Asia, including storage, breakbulk and barging costs based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT).

**Timing:** Daily assessment based on CFR Southeast Asia methanol assessment on cargoes for delivery 20-40 days forward from the date of publication.

**Basis and locations:** Delivered Singapore.

**Cargo size:** 2,000-5,000 mt.

**Credit terms:** L/C 30 days

**Quality specifications:** Minimum purity of 99.85%; maximum water content of 0.1% by total weight; maximum ethanol content of 50 ppm.

Platts also publishes a set of daily cost comparisons for alternative marine fuels, reflecting the calorific value comparison of methanol bunker fuel, LNG bunker fuel, marine fuel oil and marine gasoil.

**The cost comparisons will use the following conversion factors:**

- **Methanol:** 17.028 GJ/cu m and 0.792 mt/cu m
- **Platts LNG Bunker Singapore (LNBSF00):** 1.055 GJ/MMbtu
- **Platts Marine FO 0.5% Dlvd Singapore (MFSPD00):** 40.631 GJ/cu m and 0.991 mt/cu m
- **Platts Marine Gasoil 0.1% Dlvd Singapore (AAXY000):** 42 GJ/cu m and 0.94 mt/cu m

## Gasoline components

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size	UOM	PC Page		
												Code	Mavg	Wavg
<b>MTBE</b>														
MTBE FOB Singapore	USD	PHALF11	PHAU103	AA0TG00	Spot	FOB	Straits (Singapore, Tanjung Bin, Tanjung Langsat, Pengerang)	15-40 days forward from date of publication	2,000	3,000	MT	203	436	344
MTBE FOB Singapore Factor	Ratio	AAXIW00	AAXIW03	AAXIW04								203	436	344
MTBE FOB China	USD	MTBEA00	MTBEA03	MTBEA04	Spot	FOB	Yantai, Dalian, Laizhou, Qingdao, Longkou, Tianjin, Dongying, Quanzhou, Weifang, Caizhou	15-30 days forward from the date of publication	5,000		MT	203	436	344

## Gasoline components

### MTBE

**Assessment window:** Daily physical cargo assessments FOB Singapore and FOB China are based on the latest information from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Daily FOB Singapore assessments reflect FOB Straits bids, offers and transactions. For FOB Straits bids and offers, buyers and sellers should not state a specific loadpoint at the point of communication to Platts and should proceed to nominate loading from one of the locations in Singapore and Malaysia that are already approved for the Platts Market on Close assessment process. A weekly average of daily assessments FOB Singapore is published on Fridays or the last working day of the week. The MTBE MOC assessment process is facilitated through the eWindow technology. For further details please consult the Chemicals Timing and Increment Guidelines on <https://www.spglobal.com/platts/en/our-methodology/methodology-specifications/petrochemicals/petrochemicals-timing-and-increment-guidelines>.

**Timing:** FOB Singapore: cargoes loading 15-40 days forward from the date of publication; FOB China: cargoes loading 15-30 days forward from the date of publication.

**Basis and locations:** FOB Singapore: FOB Straits terminals (Singapore, Tanjung Bin, Tanjung Langsat, Pengerang); FOB China: Yantai, Dalian, Laizhou, Qingdao, Longkou, Tianjin, Dongying, Quanzhou, Weifang, Caizhou; Loading from other Chinese ports may be considered and normalized to the standard.

**Cargo size:** FOB Singapore: 2,000 or 3,000 mt; FOB China: 5,000 mt

**Terms and conditions:** Terms of payment for FOB Singapore should reflect standard credit terms as per market practice, as agreed between counterparties. FOB China is assessed on up to L/C 30 days basis.

**Quality specifications:** FOB Singapore: Minimum purity of 98%; maximum water content of 1,000 ppm; maximum methanol content of 1.5% by total weight; maximum sulfur content of 50 ppm; FOB China: Minimum 98% purity MTBE, maximum 0.5% methanol, 10 ppm sulfur and 1000 ppm water content.

**MTBE FOB Singapore factor:** The factor expresses the ratio between daily MTBE assessments basis FOB Straits and 92 RON gasoline assessments FOB Straits. The factor calculation uses the mean of the low and high of Platts MTBE and 92 RON cargo assessments respectively. For example, if 92 RON gasoline

is assessed at \$119.99-\$120.01/barrel and MTBE is assessed at \$1,069-\$1,071/mt (equivalent to a mean of \$126.63/barrel using a standard barrels-to-metric ton conversion rate of 8.45), then a factor of 1.055 would be published (to represent \$126.63/barrel divided by \$120/barrel). The factor is published daily to three decimal places. 92 RON gasoline and MTBE are assessed daily at 4:30 pm Singapore time (0830 GMT). The 92 RON gasoline assessment reflects the value of cargoes loading 15-30 days forward from the date of publication.

**FOB Singapore nomination standards:** Sellers or buyers are to declare the 5-day date range at the time of submitting a bid or offer for publication. The seller must declare the terminal 10 days prior to the start of the 5-day date range. The buyer must nominate the vessel and narrow the loading window to 3 days 7 days prior to loading, subject to loading terminal acceptance.

Effective March 17, 2023, Platts no longer reflects Russian material as part of its open-origin assessment for its MTBE assessments in Asia.

## Polymers

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size	PC Page			
											UOM	Code	Mavg	Wavg
<b>Polyethylenes (PE)</b>														
HDPE B/Mldg CFR FE Asia Weekly	USD	AAAYM00	AAAYN00		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE B/Mldg CFR S Asia Weekly	USD	AAAYK00	AAAYL00		Spot	CFR	South Asia	15-30 days forward from date of publication	100	500	MT	274		
HDPE B/Mldg CFR SE Asia Weekly	USD	AAAYO00	AAAYP00		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Film CFR FE Asia	USD	AATYE00	AATYE03	AATYE04	Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	570	462	573
HDPE Film CFR FE Asia Weekly	USD	PHALC00	PHBBG03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	274		
HDPE Film CFR S Asia Weekly	USD	AAAYG00	AAAYH00		Spot	CFR	South Asia	15-30 days forward from date of publication	100	500	MT	274		
HDPE Film CFR SE Asia Weekly	USD	PHALD00	PHBBH03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Film China Domestic Yuan/Mt Weekly	CNY	AAOTX00			Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	274		
HDPE Inj CFR FE Asia Weekly	USD	PHAHN00	PHBBC03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Inj CFR S Asia Weekly	USD	AAAYI00	AAAYJ00		Spot	CFR	South Asia	15-30 days forward from date of publication	100	500	MT	274		
HDPE Inj CFR SE Asia Weekly	USD	PHAH000	PHBBB03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Yarn Grade CFR FE Asia Weekly	USD	AAVAI04	AAVAI03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	274	462	
HDPE Yarn Grade CFR SE Asia Weekly	USD	AAVAJ04	AAVAJ03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	274	462	
LDPE China Domestic Yuan/mt Weekly	CNY	AAOTV00			Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	266		
LDPE G-P CFR FE Asia	USD	PHAHT00	PHBAT03	AAQNN00	Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	570, 266	462	573
LDPE G-P CFR SE Asia Weekly	USD	PHAHU00	PHBAS03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	266	462	
LLDPE Butene CFR FE Asia	USD	PHAGZ00	PHBAX03	AAQNO00	Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	570, 270	462	573
LLDPE Butene CFR S Asia Weekly	USD	AAVAQ04	AAVAQ03		Spot	CFR	South Asia	15-30 days forward from date of publication	100	500	MT	270		
LLDPE Butene CFR SE Asia Weekly	USD	PHAHA00	PHBAW03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	270	462	
LLDPE China Domestic Yuan/mt Weekly	CNY	AAOTW00			Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	270		
C6 Metallocene CFR FE Asia Weekly	USD	AAXWN04	AAXWN03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	270		
C6 Metallocene CFR SE Asia Weekly	USD	AAXYN04	AAXYN03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	270		
C6 Metallocene CFR South Asia Weekly	USD	AAXUX04	AAXUX03		Spot	CFR	South Asia	15-30 days forward from date of publication	100	500	MT	270		
<b>PolyPropylene (PP)</b>														
PP Bi-axially Oriented Film CFR FE Asia Weekly	USD	AAAYW00	AAAYX00		Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	282		
PP Bi-axially Oriented Film CFR S Asia Weekly	USD	AAAYU00	AAAYV00		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Bi-axially Oriented Film CFR SE Asia Weekly	USD	AAAYY00	AAAYZ00		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Copol CFR FE Asia Weekly	USD	PHAHZ00	PHBCJ03		Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	282	462	
PP Copol CFR S Asia Weekly	USD	AAAZA00	AAAZB00		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Copol CFR SE Asia Weekly	USD	PHAIA00	PHBCI03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Inflated Film CFR FE Asia Weekly	USD	PHASI05	PHASJ03		Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	282	462	



## Polymers

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size	PC Page			
											UOM	Code	Mavg	Wavg
PP Inflated Film CFR S Asia Weekly	USD	AAAYS00	AAAYT00		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Inflated Film CFR SE Asia Weekly	USD	PHASK05	PHASL03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Inj CFR FE Asia	USD	PHBIF00	PHBIF03	PHBIG04	Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	965	462	573
PP Inj CFR S Asia Weekly	USD	PHBII04	PHBII03		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Inj CFR SE Asia Weekly	USD	PHBIH04	PHBIH03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Raffia CFR FE Asia	USD	PHBIK00	PHBIK03	PHBIK04	Spot	CFR	China, Hong Kong	20-45 days forward from date of publication	100	500	MT	965	462	573
PP Raffia CFR S Asia Weekly	USD	PHBIL04	PHBIL03		Spot	CFR	South Asia	20-45 days forward from date of publication	100	500	MT	282		
PP Raffia CFR SE Asia Weekly	USD	PHBIJ04	PHBIJ03		Spot	CFR	Southeast Asia	20-45 days forward from date of publication	100	500	MT	282	462	
PP Raffia China Domestic Yuan/mt Daily	CNY	AAOUY00			Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	965		
PP Raffia China Domestic Yuan/mt Weekly	CNY	AAOTY00			Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	282		
<b>Polyvinyl Chloride (PVC)</b>														
Suspension CFR India	USD	AAUWU00	AAUWU03		Spot	CFR	India	15-30 days forward from date of publication	100	500	MT	262		
Suspension CFR China	USD	PHAIX00	PHBAN03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	262	462	
Suspension CFR Southeast Asia	USD	PHAIY00	PHBAO03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	262	462	
Carbide-based PVC Susp FOB China	USD	CBPVS00	CBPVS03	CBPVS04	Spot	FOB	China	15-30 days forward from date of publication	100	500	MT	262	462	
Ethylene-based PVC Susp FOB China	USD	EBPVS00	EBPVS03	EBPVS04	Spot	FOB	China	15-30 days forward from date of publication	100	500	MT	262	462	
Ethylene-based China Domestic	CNY	AAUHB00	AAUHB03		Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	262		
Carbide-based China Domestic	CNY	AAUHC00	AAUHC03		Spot	Ex-works	China	0-10 days forward from date of publication	100	500	MT	262		
<b>Polystyrene (PS)</b>														
PS G-P CFR China Weekly	USD	PHAIL00	PHBBM03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	278	462	
PS G-P CFR SE Asia Weekly	USD	PHAIM00	PHBBL03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
HIPS CFR China Weekly	USD	PHAIR00	PHBBR03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	278	462	
HIPS CFR SE Asia Weekly	USD	PHAIS00	PHBBQ03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
EPS G-P FOB NE Asia Weekly	USD	AAWEV00	AAWEV03		Spot	FOB	Northeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
EPS F-R FOB NE Asia Weekly	USD	AAWEW00	AAWEW03		Spot	FOB	Northeast Asia	15-30 days forward from date of publication	100	500	MT	278	462	
<b>Acrylonitrile Butadiene Styrene (ABS)</b>														
ABS Inj CFR China Weekly	USD	PHAHF00	PHBBZ03		Spot	CFR	China	15-30 days forward from date of publication	100	500	MT	286	462	
ABS Inj CFR SE Asia Weekly	USD	PHALE00	PHBBY03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	100	500	MT	286	462	
<b>Polyethylene Terephthalate (PET)</b>														
PET Bottle Grade FOB NE Asia Weekly	USD	AASKM00	AASKM03		Spot	FOB	Northeast Asia	Loading 15-30 days from date of publication	100	500	MT	625		
PET Bottle Grade FOB SE Asia Weekly	USD	AASML00	AASML03		Spot	FOB	Southeast Asia	Loading 15-30 days from date of publication	100	500	MT	625		



## Polymers

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery Period	Min Size	Max Size	PC Page			
											UOM	Code	Mavg	Wavg
<b>Polyester Yarn and Fiber</b>														
POY 150D/48F China Domestic Weekly	CNY	PP0YC04	PP0YC03		Spot	Ex-works	China	0-10 days forward from date of publication	10	100	MT	625		
DTY 150D/48F China Domestic Weekly	CNY	PDTYC04	PDTYC03		Spot	Ex-works	China	0-10 days forward from date of publication	10	100	MT	625		
FDY 150D/96F China Domestic Weekly	CNY	PFDYC04	PFDYC03		Spot	Ex-works	China	0-10 days forward from date of publication	10	100	MT	625		
PSF 1.4D*38mm China Domestic Weekly	CNY	PPSFC04	PPSFC03		Spot	Ex-works	China	0-10 days forward from date of publication	10	100	MT	625		
<b>Styrene Butadiene Rubber (SBR)</b>														
ESBR 1502 CFR NE Asia	USD	AAWZI04	AAWZI03		Spot	CFR	Northeast Asia	30-60 days forward from date of publication	16	20	MT	702	704	
ESBR 1502 CFR SE Asia	USD	AAWZJ04	AAWZJ03		Spot	CFR	Southeast Asia	30-60 days forward from date of publication	16	20	MT	702	704	
<b>Methyl Methacrylate (MMA)</b>														
Methyl methacrylate CFR China	USD	AMMAC00	AMMAC03	AMMAC04	Spot	CFR	China	15-30 days forward from date of publication	500	1,000	MT	190	460	
Methyl methacrylate CFR Southeast Asia	USD	AMMAS00	AMMAS03	AMMAS04	Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	1,000	MT	190	460	
<b>Poly Methyl Methacrylate (PMMA)</b>														
Poly Methyl Methacrylate CFR China	USD	PMMAC00	PMMAC03	PMMAC04	Spot	CFR	China	15-30 days forward from date of publication	20	40	MT	193	462	460
Poly Methyl Methacrylate CFR SE Asia	USD	PMMAA00	PMMAA03	PMMAA04	Spot	CFR	Southeast Asia	15-30 days forward from date of publication	20	40	MT	193	462	460

## Polymers

### Polyethylene (PE)

**Assessment window:** Daily assessments of HDPE film grade, LDPE, LLDPE CFR Far East Asia and LDPE CFR South Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments film grade HDPE, LDPE, LLDPE CFR Far East Asia and LDPE CFR South Asia are published on Wednesdays. Weekly assessments for all grades CFR Far East Asia, CFR Southeast Asia, CFR South Asia and domestic China ex-works (in Yuan/mt) based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. Daily Middle East netbacks for LDPE, LLDPE and HDPE are calculated as Platts CFR Far East Asia assessments minus prevailing container freight rate from Al Jubail to

Shanghai. This freight rate is updated weekly on Wednesdays.

**Timing:** Daily assessments CFR Far East Asia and weekly assessments CFR Far East Asia, CFR Southeast Asia and CFR South Asia evaluate cargoes for delivery 15-30 days forward from the date of publication, and daily LDPE CFR South Asia assessment evaluate cargoes for delivery 15-45 days forward from the date of publication. China domestic: parcels loaded 0-10 days forward from the date of publication.

**Basis and locations:** China main ports Shanghai, Ningbo, Xiamen, Shenzhen, Huangpu, Guangzhou, Xingang, Qingdao, Shantou and Tianjin; CFR Southeast Asia: Indonesia (Jakarta, Surabaya), Singapore, the Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Map Ta Phut, Laem Chabang), Vietnam (Ho Chi Minh City); CFR South Asia: India (Nhava Sheva, Mundra); East China domestic ex-works: Shanghai, Zhejiang and Jiangsu; FOB Middle East: Al Jubail (freight netback from Shanghai).

**Cargo size:** Daily CFR Far East Asia, weekly CFR Far East Asia, CFR Southeast Asia, CFR South Asia, China domestic: 100-500 mt; LDPE CFR South Asia: 100-250 mt.

**Terms and conditions:** CFR Far East Asia, CFR Southeast Asia, CFR South Asia are assessed up to L/C 30 days. China Domestic is assessed at-sight basis with cash payment, and includes prevailing value added tax. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. The metallocene C6 LLDPE grade is assessed at L/C 30-90 days credit terms.

#### Quality specifications:

**Low Density Polyethylene:** Melt flow index of 0.3-4.0.

**Linear Low Density Polyethylene:** CFR Far East Asia, Southeast Asia, CFR South Asia: butene grade with melt flow index of 1.0-2.0.

**High Density Polyethylene:** Injection, blow-moulding, film and yarn grades.

**Injection grade:** Melt flow index of 2.0-25.0, with the majority of business focused on crate grade material with melt flow index of 5.0-11.0.

**Blow moulding:** Medium molecular weight with melt flow index of 0.2-0.35.

**Film grade:** High and medium molecular weight material with melt flow index of 0.07-0.18.

**Yarn grade:** Melt flow index of 0.7-1.1.

**Metallocene C6 LLDPE:** 1-Hexene comonomer with a density of 918-940 kg/m<sup>3</sup> with a melt flow index between 1.0 and 4.5.

## Polypropylene (PP)

**Assessment window:** Daily assessments of CFR Far East Asia raffia and injection grades, and domestic China ex-works (in Yuan/mt) are based on information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments PP Injection CFR Far East Asia and PP Raffia CFR Far East Asia are published on Wednesdays. Weekly assessments CFR Far East Asia IPP grade, BOPP and block copolymer are published on Wednesdays. Weekly assessments CFR Southeast Asia, CFR South Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. China domestic raffia in Yuan/mt is ex-works basis inclusive of the prevailing value added tax. Daily Middle East netbacks are calculated as Platts CFR Far East Asia assessments minus prevailing container freight rate from Al Jubail to Shanghai. This freight rate is updated weekly on Wednesdays.

**Timing:** Daily and weekly assessments CFR Far East Asia, CFR Southeast Asia and CFR South Asia evaluate cargoes for

delivery 20-45 days forward from the date of publication. China domestic evaluate cargoes for loading 0-10 days forward from the date of publication.

**Basis and locations:** CFR Far East Asia: China main ports (Shanghai, Shenzhen, Ningbo, Shantou, Hong Kong); CFR Southeast Asia: Indonesia (Jakarta, Surabaya), Singapore, the Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Bangkok, Laem Chabang, Map Ta Phut), Vietnam (Ho Chi Minh City); CFR South Asia: India (Kolkata, Chennai, Mumbai, Nhava Sheva), Pakistan (Karachi); China domestic: Ex-works Huangpu, Jiulong, Ningbo, Qingdao, Shanghai, Tianjin, Xiamen, Xingang; FOB Middle East: Al Jubail (freight netback from Shanghai).

**Cargo size:** 100-500 mt.

**Terms and conditions:** CFR Far East Asia, CFR Southeast Asia, CFR South Asia are assessed up to L/C 30 days. China Domestic is assessed at-sight basis with cash payment. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Raffia (also known as flat yarn) with melt flow rate of 2.0-4.5 at 230?VC; homopolymer injection with melt flow rate of 11-20 at 230?VC.; and inflation film (IPP); biaxially oriented film (BOPP); and block copolymer with melt flow rate of 6-20 at 230?V C.

## Polyvinyl Chloride (PVC)

**Assessment window:** Daily assessments of ethylene-grade PVC and carbide-based PVC on an FOB China basis are based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) daily. Weekly assessments CFR China, CFR Southeast Asia and CFR India based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. Weekly China domestic assessments for ethylene and carbide based ex-works

PVC based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays. Weekly PVC Middle East netbacks are calculated as Platts CFR China assessments minus prevailing container freight rate from Al Jubail to Shanghai. This freight rate is updated on Wednesdays.

**Timing:** Daily assessments FOB China as well as weekly assessments CFR China, CFR Southeast Asia and CFR India evaluate cargoes for delivery 15-30 days forward from the date of publication. China domestic evaluate cargoes for loading 0-10 days forward from the date of publication.

**Basis and locations:** FOB China: Shanghai, Tianjin and Qingdao; CFR China: Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Jiangyin, Zhuhai, Zhenjiang, Zhangjiagang, Hong Kong; CFR Southeast Asia: Indonesia, Singapore, the Philippines, Malaysia, Thailand, Vietnam; CFR India: Nhava Sheva, Kolkata, Chennai, Mumbai. Domestic China: Shanghai, Zhejiang, Jiangsu, Shandong, Hebei, Tianjin, Guangdong, Fujian.

**Cargo size:** 100-500 mt.

**Terms and conditions:** FOB China, CFR China, CFR Southeast Asia and CFR India are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. Domestic China is assessed at-sight basis with cash payment, and includes prevailing value added tax.

**Quality specifications:** Suspension grade with K value of 66-68 (SG 5).

## Polystyrene (PS)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm

Singapore time (0830 GMT) on Wednesdays. For expandable polystyrene, weekly assessment FOB Northeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays.

**Timing:** Cargoes delivered 15-30 days forward from the date of publication.

**Basis and locations:** CFR China: Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Jiangyin, Zhuhai, Zhenjiang, Zhangjiagang, Hong Kong; CFR Southeast Asia: Indonesia (Jakarta, Belawan Deli), Singapore, the Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Bangkok), Vietnam (Ho Chi Minh City).

**Cargo size:** 100-500 mt.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** General-purpose polystyrene (GPPS) grade with melt flow index of 8.0-12.0; high impact polystyrene (HIPS) grade with melt flow index of 3.0-8.0. EPS (expandable polystyrene) general grade and fire retardant grade with a bead size of 0.5-1.3 mm and a density of 10-20 grams per liter (g/l).

### Acrylonitrile Butadiene Styrene (ABS)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Wednesdays.

**Timing:** Cargoes delivered 15-30 days forward from the date of publication.

**Basis and locations:** CFR China: Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Jiangyin, Zhuhai, Zhenjiang, Zhangjiagang, Hong Kong; CFR Southeast Asia: Indonesia (Jakarta, Belawan Deli), Singapore, the Philippines (Manila Bay), Malaysia (Port Klang), Thailand (Bangkok), Vietnam (Ho Chi Minh City).

**Cargo size:** 100-500 mt.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Injection grade with melt flow index of 10-40.

### Polyethylene Terephthalate (PET)

**Assessment window:** Assessments FOB Northeast Asia and FOB Southeast Asia are based on the latest information sourced from the market up to the close of the assessment window at 4.30 pm Singapore time (0830 GMT) on Wednesday.

**Timing:** Loading 15-30 days forward from the date of publication.

**Basis and locations:** FOB Northeast Asia: South Korea (Ulsan, Yeosu), China (Jiangyin, Dalian, Zhangzhou, Ningbo, Shanghai), Taiwan (Mailiao, Taoyuan); FOB Southeast Asia: Thailand (Rayong), Malaysia (Port Klang), Indonesia (Cilegon, West Java).

**Standard cargo size:** 100-500 mt.

**Credit terms:** FOB Northeast Asia and FOB Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Bottle-grade PET, Minimum intrinsic viscosity of 0.76.

### Polyester Yarn and Fiber

**Assessment window:** China domestic ex-works assessments are based on the latest information sourced from the market up to the close of the assessment window at 4.30 pm Singapore time (0830 GMT) on Wednesday.

**Timing:** China domestic cargoes are assessed 0-10 days forward from the date of publication.

**Basis and locations:** China domestic in Yuan/mt on an ex-works east China (Zhejiang, Jiangsu, Fujian) basis

**Standard cargo size:** 10-100 mt.

**Credit terms:** Assessed on an at-sight basis with cash payment. China domestic assessments include current value added tax.

**Quality specifications:** Partially Oriented Yarn (POY) 150D/48F, white and semi-dull; Draw Textured Yarn (DTY) 150D/48F, white and semi-dull; Fully Drawn Yarn (FDY) 150D/96F, white and semi-dull; Polyester Staple Fiber (PSF) 1.4D38 mm, white, semi-dull, and direct-spun.

### Styrene Butadiene Rubber (SBR)

**Assessment window:** Weekly assessments CFR Northeast Asia and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

**Timing:** Cargoes delivered 30-60 days forward from the date of publication.

**Basis and locations:** CFR Northeast Asia: China (Shanghai, Nanjing, Nantong, Qingdao, Tianjin, Guangzhou); South Korea (Busan, Kwangyang, Incheon, Ulsan, Yeosu); CFR Southeast Asia: Singapore, Thailand (Bangkok).

**Cargo size:** Base package of synthetic rubber is 16-20 mt depending on manufacturer.

**Terms and conditions:** CFR Northeast Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Non-oil extended emulsion SBR (ESBR1502). Mooney viscosity ML 1-4 (100 degrees Celsius) (ASTM D 1646) 52 MU), Bound Styrene (ASTM D 5775) 23.5% wt, Organic Acid (ASTM D 5774) 6% wt, Soap (ASTM D 5774) 0.5% wt maximum, Volatile Matter (ASTM D 5668) 0.75% wt maximum, Ash (ASTM D 5667) 0.5% wt maximum.

### Methyl Methacrylate (MMA)

**Assessment window:** Daily assessments CFR China and CFR Southeast Asia are based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments CFR China and CFR Southeast Asia are published on Fridays.

**Timing:** Daily assessments CFR China and CFR Southeast Asia evaluate cargoes for delivery 15-30 days forward from the date of publication.

**Basis and locations:** CFR China: Zhangjiagang in East China; CFR Southeast Asia: Map Ta Phut in Thailand. Bids, offers and trades, as well as price indications heard for delivery into other ports will be normalized to the basis ports.

**Cargo size:** 500-1,000 mt.

**Credit terms:** CFR China is assessed at L/C 90 days. CFR Southeast Asia is assessed at L/C 30 days. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Specific gravity at 20°C/4°C 0.942 to 0.946, free acid content of 0.005% or less, moisture content (KF method) of 0.05% or less, monomer content of 99.8% or more, number of colors (APHA) at 5 or less, and free acids (methacrylic acid) at 0.005% or less.

### Poly Methyl Methacrylate (PMMA)

**Assessment window:** Daily assessments CFR China and CFR Southeast Asia are based on latest information sourced from the market up to close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly averages of daily assessments CFR China and CFR Southeast Asia are published on Fridays.

**Timing:** Daily assessments CFR China and CFR Southeast Asia evaluate cargoes for delivery 15-30 days forward from the date of publication.

**Basis and locations:** CFR China: Guangzhou in South China; CFR

Southeast Asia: Map Ta Phut in Thailand. Bids, offers and trades, as well as price indications heard for delivery into other ports will be normalized to the basis ports.

**Parcel size:** 20-40 mt.

**Credit terms:** CFR China and CFR Southeast Asia are assessed basis L/C 30 days. For deals with non-standard usance, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** General-purpose injection PMMA grade with Melt Flow Index of 230°C x 3.8KG, Izod Impact Strength 23°C Notched/-30°C Notched, and Vicat Softening Temp 1kg,50°C/hr, 5kg,50°C/hr.

### Middle East Polymer Netbacks

Platts publishes Middle East polymer netbacks on a weekly basis for the following resins: LDPE, LLDPE, film-grade HDPE, homopolymer injection grade PP, and PVC. The netbacks for PVC are calculated using CFR China, whilst PP and PE are calculated using Platts CFR Far East Asia assessments, minus the prevailing container freight rate from Al Jubail to Shanghai for a standard 20-foot and 40-foot container. The freight rate is updated weekly on Wednesdays.

For freight methodology, please refer to the Global Freight specifications guide, as published at [https://www.spglobal.com/platts/PlattsContent/\\_assets/\\_files/en/our-methodology/methodology-specifications/global\\_freight.pdf](https://www.spglobal.com/platts/PlattsContent/_assets/_files/en/our-methodology/methodology-specifications/global_freight.pdf).

## Recycled Polymers

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery/Loading Period	Min Size	Max Size	UOM	PC Page		
												Code	Mavg	Wavg
Recycled PET clear flakes FOB SE Asia	USD	RPTSE00	RPTSE03	RPTSE04	Spot	FOB	Southeast Asia	3-21 days forward from date of publication	20	200	MT	409	441	574
Recycled PET clear flakes premium grade FOB SE Asia	USD	RPTSF00	RPTSF03	RPTSF04	Spot	FOB	Southeast Asia	3-21 days forward from date of publication	20	200	MT	409	441	574
Recycled PET clear flakes premium grade FOB India	USD	ARINA00	ARINA03	ARINA04	Spot	FOB	India	10-21 days forward from date of publication	20	200	MT	409	441	574
Recycled HDPE black blow moulding pellets FOB SE Asia	USD	ARHBP00	ARHBP03	ARHBP04	Spot	FOB	Southeast Asia	15-30 days forward from date of publication	15		MT	409	441	574
Recycled LDPE natural film pellets FOB SE Asia	USD	ARNFA00	ARNFA03	ARNFA04	Spot	FOB	Southeast Asia	15-30 days forward from date of publication	15		MT	409	441	574

## Recycled and Virgin Polymer Spot Price Spreads

Symbol	Symbol description	First assessment symbol description	Symbol	Second assessment symbol description	Symbol	Region	Frequency
ARPTH00	R-PET Premium Clear Flakes Spread to Virgin PET Pellets FOB SEA	Recycled PET premium clear flakes FOB SE Asia	RPTSF04	Virgin PET bottle grade FOB SEA	AASML00	Asia	Weekly
ARPTI00	R-PET Clear Flakes Spread to Premium Grade FOB SEA	Recycled PET premium clear flakes FOB SE Asia	RPTSF04	Recycled PET clear flakes FOB SE Asia	RPTSE04	Asia	Weekly
ARPTJ00	R-HDPE Film FOB SE Asia Spread to Virgin HDPE CFR FE Asia	Recycled HDPE film pellets FOB SE Asia	PHALH04	Virgin HDPE film pellets CFR FE Asia	AATYE00	Asia	Weekly

## Recycled Polymers

### Recycled Polyethylene Terephthalate (R-PET)

**Assessment window:** Daily assessments for R-PET clear flakes FOB Southeast Asia, R-PET premium grade clear flakes FOB Southeast Asia and FOB India are based on the latest information sourced from the market up to the close of the assessment window at 4.30 pm Singapore time (0830 GMT).

**Timing:** Daily assessments FOB Southeast Asia evaluate cargoes for loading 3-21 days forward from the date of publication and 10-21 days forward for FOB India.

**Basis and locations:** FOB Southeast Asia: Thailand (Bangkok), Malaysia (Port Klang), Indonesia (Jakarta). FOB India: Hazira, Nhava Sheva and Mundhra.

**Standard cargo size:** 20-200 mt.

**Credit terms:** Terms of payment should reflect standard credit terms as per market practice, as agreed between counterparties.

**Quality specifications:** R-PET clear flakes with intrinsic viscosity of 0.70–0.78, PVC content of 50-100 ppm and 100% clear in color. R-PET premium grade clear flakes with intrinsic viscosity of 0.70–0.78 for FOB Southeast Asia and 0.72-0.78 for FOB India, PVC content of less than 30 ppm and 100% clear in color. Platts may also take into consideration R-PET of other specifications and may normalize price information to the standard specifications reflected for the assessments.

### Recycled High Density Polyethylene (R-HDPE) film pellets

**Assessment window:** Daily assessment FOB Southeast Asia is based on the latest information sourced from the market up to

the close of the assessment window at 4.30 pm Singapore time (0830 GMT).

**Timing:** Daily assessment FOB Southeast Asia evaluate cargoes for loading 15-30 days forward from the date of publication.

**Basis and locations:** FOB Southeast Asia: Port Klang in Malaysia, Bangkok in Thailand, Jakarta in Indonesia, Singapore, Batangas in the Philippines and Cat Lai in Vietnam. Price information on loadings from other ports within Southeast Asia may be taken into consideration and normalized to the basis ports for the assessment.

**Standard cargo size:** Minimum 15 mt.

**Credit terms:** Terms of payment should reflect standard credit terms as per market practice. Typical market payment terms are on a telegraphic transfer basis, with a 30% deposit and the rest

of the payment on arrival.

**Quality specifications:** Recycled HDPE film pellets clear in color and used for consumer packing applications. Black blow moulding grade pellet assessment reflects natural pellets used for consumer packing applications with a typical melt flow index of up to 2.0 grams/10 minutes when measured at 190 degrees Celsius with a 2.16 kg sample. Platts may also take into consideration recycled polyethylene of other specifications and may normalize price information to the standard specifications reflected for the assessment.

### Recycled Low Density Polyethylene (R-LDPE) film pellets

**Assessment window:** Daily assessment FOB Southeast Asia is based on the latest information sourced from the market up to the close of the assessment window at 4.30 pm Singapore time (0830 GMT).

**Timing:** Daily assessment FOB Southeast Asia evaluate cargoes for loading 15-30 days forward from the date of publication.

**Basis and locations:** FOB Southeast Asia: Port Klang in Malaysia, Bangkok in Thailand, Jakarta in Indonesia, Singapore, Batangas in the Philippines and Cat Lai in Vietnam. Price information on loadings from other ports within Southeast Asia may be taken into consideration and normalized to the basis ports for the assessment.

**Standard cargo size:** Minimum 15 mt.

**Credit terms:** Terms of payment should reflect standard credit terms as per market practice. Typical market payment terms are on a telegraphic transfer basis, with a 30% deposit and the rest of the payment on arrival.

**Quality specifications:** Natural pellets used for consumer packing applications, with a melt flow index of 0.2-2.2 when measured at 190 degrees Celsius with a 2.16 kg sample and a mesh size of minimum 80. Platts may also take into consideration recycled polyethylene of other specifications and may normalize price information to the standard specifications reflected for the assessment.

### Recycled and virgin polymer spot price spreads

Platts publishes weekly calculated spreads relating to its Asian recycled plastic and virgin polymer price assessments capturing the spread between virgin polymers and their respective recycled grade as well as spreads within the recycled plastic value chains. The automated calculations update each Wednesday upon market close and are based on Platts existing spot price assessments.

Platts also publishes similar spread calculations in Europe and North America. Their description can be found in the following guides:

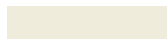
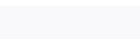

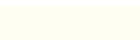
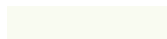
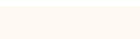
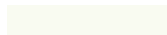
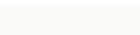
[https://www.spglobal.com/platts/PlattsContent/\\_assets/\\_files/en/our-methodology/methodology-specifications/americas-petrochemicals.pdf](https://www.spglobal.com/platts/PlattsContent/_assets/_files/en/our-methodology/methodology-specifications/americas-petrochemicals.pdf)

<https://www.spglobal.com/platts/en/our-methodology/methodology-specifications/petrochemicals/european-petrochemicals-methodology>

Platts natural color recycled polyethylene assessments reflect pellets un-adulterated with color pigments. Natural color refers to a wide variety of off-white shades, including, but not limited to, the color images and codes below:

Color Descriptor	Hex Color Code*
Cream	#EFEBDC
Signal white	#F4F8F4
Pure white	#F7F9EF
Traffic white	#F7FBF5
Ghost white	#F8F8FF
Ivory	#FFFFFF0
Bone white	#F9F6EE
Off White	#FAF9F6

### Natural recycled resin colors

Cream		Ghost white	
Signal white		Ivory	
Pure white		Bone white	
Traffic white		Off white	

Note: The colors are based on best estimates  
Source: S&P Global Commodity insights



## Intermediates

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery/Loading Period	Min Size	Max Size	UOM	Conv	Code	Mavg	Wavg
<b>Normal Butyl Alcohol (NBA)</b>															
NBA CFR China	USD	PHANQ00	PHANR03		Spot	CFR	China	10-30 days forward from date of publication	1,000	1,000	MT		162	460	
NBA CFR Southeast Asia	USD	PHANS00	PHANT03		Spot	CFR	Southeast Asia	10-30 days forward from date of publication	1,000	1,000	MT		162	460	
<b>2-ethyl hexanol (2-EH)</b>															
2-EH CFR China	USD	PHANU00	PHANV03		Spot	CFR	China	10-30 days forward from date of publication	1,000	1,000	MT		162	460	
2-EH CFR Southeast Asia	USD	PHANW00	PHANX03		Spot	CFR	Southeast Asia	10-30 days forward from date of publication	1,000	1,000	MT		162	460	
<b>Diethyl Phthalate (DOP)</b>															
DOP CFR China	USD	PHANY00	PHANZ03		Spot	CFR	China	10-30 days forward from date of publication	500	1,000	MT		162	460	
DOP CFR Southeast Asia	USD	PHAOA00	PHAOB03		Spot	CFR	Southeast Asia	10-30 days forward from date of publication	100	500	MT		162	460	
<b>Phthalic Anhydride (PA)</b>															
PA CFR China	USD	PHAOC00	PHAOD03		Spot	CFR	China	10-30 days forward from date of publication	100	300	MT		162	460	
PA CFR Southeast Asia	USD	PHAOE00	PHAOF03		Spot	CFR	Southeast Asia	10-30 days forward from date of publication	100	200	MT		162	460	
<b>Caprolactam (CPL)</b>															
CPL FL CFR FE Asia Weekly	USD	PHAOS00	PHAOT03		Spot	CFR	Far East Asia	15-30 days forward from date of publication	1,000	2,000	MT		180	460	
CPL FL CFR SE Asia Weekly	USD	PHAOU00	PHAOV03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	1,000	MT		180	460	
<b>Acrylonitrile (ACN)</b>															
ACN CFR FE Asia Weekly	USD	PHAOO00	PHAOP03		Spot	CFR	Far East Asia	up to 30 days forward from date of publication	1,000	2,000	MT		177/458	460	
ACN CFR SE Asia Weekly	USD	PHAOQ00	PHAOR03		Spot	CFR	Southeast Asia	up to 30 days forward from date of publication	1,000	2,000	MT		177/458	460	
ACN CFR South Asia Weekly	USD	AAWNA00	AAWNA03		Spot	CFR	South Asia	up to 30 days forward from date of publication	2,000	3,000	MT		177/458	460	
<b>Purified Terephthalic Acid (PTA)</b>															
PTA CFR China	USD	AAWAY00	AAWAY03	AAWAY04	Spot	CFR	China	15-30 days forward from date of publication	1,000	1,000	MT		179, 737	460	179
PTA CFR SEAsia Wk	USD	PHASA00	PHASB03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	2,000	MT		179	460	
PTA CFR India	USD	AAXIU04	AAXIU03	AAYIU04	Spot	CFR	India	15-30 days forward from date of publication	1,000	3,000	MT		179	460	
PTA China domestic ex-warehouse	CNY	AAWJA00	AAWJA03	AAWJA04	Spot	Ex-warehouse	China	0-10 days forward from date of publication	500	1,000	MT		179, 737		179
PTA FOB China	USD	PTFCA00	PTFCA03	PTFCA04	Spot	FOB	China	15-30 days forward from date of publication	1000	3,000	MT		179, 737, 542		179
<b>Ethylene Dichloride/Vinyl Chloride Monomer (EDC/VCM)</b>															
EDC CFR Far East Asia	USD	PHAOW00	PHAOX03		Spot	CFR	Far East Asia	20-40 days forward from date of publication	3,000	5,000	MT		183	460	
EDC CFR Southeast Asia	USD	PHAOY00	PHAOZ03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	3,000	5,000	MT		183	460	
VCM CFR Far East Asia	USD	PHAPA00	PHAPB03		Spot	CFR	Far East Asia	15-30 days forward from date of publication	2,000	6,000	MT		183	460	



## Intermediates

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery/Loading Period	Min Size	Max Size	UOM	Conv	Code	Mavg	Wavg
VCM CFR Southeast Asia	USD	PHAPC00	PHAPD03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	2,000	6,000	MT		183	460	
<b>Acetic Acid (AA), Vinyl Acetate Monomer (VAM)</b>															
Acetic Acid CFR FE Asia Weekly	USD	PHAOG00	PHAOH03		Spot	CFR	Northeast Asia	15-30 days forward from date of publication	1,000	2,000	MT	22.04	174,458	460	
Acetic Acid CFR SE Asia Weekly	USD	PHAOI00	PHAOJ03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	1,000	2,000	MT	22.04	174,458	460	
Acetic Acid CFR South Asia Weekly	USD	AAWVZ00	AAWVZ03		Spot	CFR	South Asia	15-30 days forward from date of publication	1,000	2,000	MT	22.04	174,458	460	
Acetic Acid China Domestic Yuan/mt Weekly	CNY	AAUNG04	AAUNG03		Spot	Ex-tank	China	0-15 days forward from date of publication	200	500	MT	22.04	174,458	460	
Acetic Acid FOB China Weekly	USD	AAUNF04	AAUNF03		Spot	FOB	China	15-30 days forward from date of publication	1,000	2,000	MT	22.04	174,458	460	
VAM CFR China Weekly	USD	PHAOK00	PHAO L03		Spot	CFR	China	15-30 days forward from date of publication	1,000	2,000	MT	22.04	174,458	460	
VAM CFR SE Asia Weekly	USD	PHAOM00	PHAON03		Spot	CFR	Southeast Asia	15-30 days forward from date of publication	500	1,000	MT	22.04	174,458	460	
VAM CFR South Asia Weekly	USD	AAVSC04	AAVSC03		Spot	CFR	South Asia	15-30 days forward from date of publication	1,000	2,000	MT	22.04	174,458	460	
VAM China Domestic Ex-Tank Yuan/mt Weekly	CNY	AAVSD04	AAVSD03		Spot	Ex-tank	China	up to 10 days	200	500	MT	22.04	174,458	460	
<b>Diethyl Terephthalate (DOTP)</b>															
DOTP CFR China	USD	DOCF04	DOCF03		Spot	CFR	China	10-30 days forward from date of publication	200	300	MT		162	460	
DOTP CFR Southeast Asia	USD	DOCF04	DOCF03		Spot	CFR	Southeast Asia	10-30 days forward from date of publication	100	200	MT		162	460	

## Intermediates

### Normal Butyl Alcohol (NBA)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 10-30 days forward from the date of publication.

**Basis and locations:** CFR China: Zhangjiagang, Lanshan, Ningbo, Zhenjiang, Zhuhai; CFR Southeast Asia: Indonesia (Merak), Singapore (Jurong Island), Thailand (Map Ta Phut).

**Cargo size:** 1,000 mt.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99.5%, maximum water content of 0.05%.

### 2-Ethyl Hexanol (2-EH)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 10-30 days forward from the date of publication.

**Basis and locations:** CFR China: Zhangjiagang, Lanshan, Ningbo, Zhenjiang, Zhuhai; CFR Southeast Asia: Singapore (Jurong Island), Thailand (Map Ta Phut), Vietnam (Ho Chi Minh City).

**Cargo size:** 1,000 mt.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

**Quality specifications:** Minimum purity of 98%.

### Diethyl Phthalate (DOP)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the

market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 10-30 days forward from the date of publication.

**Basis and locations:** CFR China: Zhangjiagang, Changzhou, Shantou, Ningbo, Wenzhou, Tianjin; CFR Southeast Asia: Indonesia (Jakarta), Malaysia (Pasir Gudang, Port Klang), the Philippines (Manila), Thailand (Bangkok, Laem Chabang), Vietnam (Ho Chi Minh City).

**Cargo size:** 500-1,000 mt for CFR China; 100-500 mt for CFR Southeast Asia.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99.5%; maximum water content of 0.05%; maximum free water content of 0.05%; maximum color of 25 Hazen.

### Phthalic Anhydride (PA)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 10-30 days forward from the date of publication.

**Basis and locations:** CFR China: Shanghai, Huangpu, Ningbo; CFR Southeast Asia: Indonesia (Jakarta, Surabaya), Singapore (Jurong Island), Vietnam (Ho Chi Minh City), Thailand (Bangkok), Malaysia (Pasir Gudang, Port Klang, Penang), the Philippines (Manila).

**Cargo size:** 100-300 mt for CFR China; 100-200 mt for CFR Southeast Asia.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment.

**Quality specifications:** Flake grade with minimum purity of 99.5%.

### Diocetyl Terephthalate CFR China (DOTP)

**Assessment window:** Weekly assessments CFR China and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 10-30 days forward from the date of publication.

**Basis and locations:** CFR China: Tianjin, Qingdao, Huangpu and Xiaoxin; CFR Southeast Asia: Cat Lai, Haiphong, Ho Chi Minh City in Vietnam, Bangkok in Thailand, Jakarta and Surabaya in Indonesia, Port Klang, Penang, Pasir Gudang in Malaysia, Manila in the Philippines.

**Cargo size:** 200-300 mt for CFR China; 100-200 mt for CFR Southeast Asia.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 30 days. For deals with usance of greater or less than 30 days, the value of the credit will be factored out for price assessment.

**Quality specifications:** Maximum water content of 0.05%;

### Caprolactam (CPL)

**Assessment window:** Weekly assessments CFR Far East Asia

and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 15-30 days forward from the date of publication.

**Basis and locations:** CFR Far East Asia: China (Shanghai, Ningbo, Zhangjiagang, Xiamen, Guangzhou, Jiangmen, Qingdao, Tianjin, Dalian); Taiwan (Kaohsiung). CFR Southeast Asia: Malaysia (Port Klang), Indonesia (Tanjung Priok), Thailand (Bangkok).

**Cargo size:** 1,000-2,000 mt for CFR Far East Asia; 500-1,000 mt for CFR Southeast Asia.

**Terms and conditions:** CFR Far East Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Flake grade with maximum water content of 100 ppm.

### Acrylonitrile (ACN)

**Assessment window:** Weekly assessments CFR Far East Asia, CFR Southeast Asia and CFR South Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesdays.

**Timing:** Cargoes delivered up to 30 days forward from the date of publication.

**Basis and locations:** CFR Far East Asia: China (Ningbo, Lianyungang, Shanghai, Lanshan, Qinhuangdao), Taiwan (Kaohsiung); CFR Southeast Asia: Indonesia (Jakarta), Thailand (Map Ta Phut, Bangkok); CFR South Asia: India (Kandla, Mundra, Mumbai, Cochin).

**Cargo size:** 1,000-2,000 mt for CFR Far East Asia and Southeast Asia, 2,000-3,000 mt for CFR South Asia.

**Terms and conditions:** CFR Far East Asia, CFR Southeast Asia and CFR South Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99.9%.

### Purified Terephthalic Acid (PTA)

**Assessment window:** Daily assessments CFR China, FOB China, CFR India and ex-warehouse Chinese domestic assessments based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT). Weekly assessments CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Fridays.

**Timing:** CFR China, India and Southeast Asia assessments reflect deliveries 15-30 days forward from the date of publication. FOB China assessment reflects loading 15-30 days forward. Chinese domestic cargoes are assessed 0-10 days forward from the date of publication.

**Basis and locations:** CFR China: Ningbo, Zhangjiagang, Shanghai; FOB China: Dalian, Gulei, Hainan, Lianyungang, Ningbo, Zhangjiagang, Zhapu, Zhuhai; CFR Southeast Asia: Indonesia (Merak, Jakarta), Malaysia (Port Klang), Thailand (Laem Chabang), Vietnam (Ho Chi Minh City); CFR India: Mumbai.

**Cargo size:** 1,000 mt for CFR China; 1,000-3,000 mt for FOB China; 500-2,000 mt for CFR Southeast Asia, 1,000-3,000 mt for CFR India, 500-1,000 mt for domestic China ex-warehouse.

**Terms and conditions:** CFR China, CFR Southeast Asia and CFR India are assessed at L/C 90 days. FOB China is assessed up to

L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment. China Domestic is assessed at-sight basis with cash payment. China domestic assessments include prevailing value added tax.

**Quality specifications:** Minimum purity of 95%.

### Ethylene Dichloride (EDC)

**Assessment window:** Weekly assessments CFR Far East Asia and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 20-40 days forward from the date of publication.

**Basis and locations:** CFR Far East Asia: South Korea (Daesan, Ulsan, Yeosu); Taiwan (Kaohsiung, Mailiao); Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); China (Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Tianjin); CFR Southeast Asia: Indonesia (Merak), the Philippines (Manila Bay anchorage, barge cost not included), Malaysia (Kertih), Thailand (Map Ta Phut).

**Cargo size:** 3,000-5,000 mt.

**Terms and conditions:** CFR Far East Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99%.

### Vinyl Chloride Monomer (VCM)

**Assessment window:** Weekly assessments CFR Far East Asia and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at

4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes delivered 15-30 days forward from the date of publication.

**Basis and locations:** CFR Far East Asia: South Korea (Daesan, Ulsan, Yeosu); Taiwan (Kaohsiung, Mailiao); Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki); China (Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Ningbo, Tianjin); CFR Southeast Asia: Indonesia (Merak), the Philippines (Manila Bay anchorage, barge cost not included), Malaysia (Kertih), Thailand (Map Ta Phut).

**Cargo size:** 2,000-6,000 mt.

**Terms and conditions:** CFR Far East Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99%.

### Acetic Acid (AA)

**Assessment window:** Weekly assessments CFR Far East Asia, CFR Southeast Asia, CFR South Asia, FOB China and domestic China ex-tank based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** CFR Far East Asia, CFR Southeast Asia and CFR South Asia evaluate cargoes for delivery 15-30 days forward from the date of publication. FOB China evaluates cargoes for loading 15-30 days forward from the date of publication. China domestic: parcels for loading 0-15 days forward from the date of publication.

**Basis and locations:** CFR Far East Asia: Taiwan (Kaohsiung, Mailiao, Taichung), South Korea (Ulsan); CFR Southeast Asia:

Indonesia (Jakarta), Thailand (Bangkok); CFR South Asia: India (Kandla, Mumbai, Mangalore, Cochin) and FOB China: Jiangyin, Zhangjiagang. China domestic: Ex-tank Jiangyin, Zhangjiagang.

**Cargo size:** CFR Far East Asia, CFR Southeast Asia, CFR South Asia and FOB China: 1,000-2,000 mt. Domestic China: 200-500 mt.

**Terms and conditions:** CFR Far East Asia, CFR Southeast Asia, CFR South Asia, and FOB China are assessed basis L/C up to 30 days. For deals with usance of greater than 30 days, the value of the extra credit allowance will be factored out for price assessment. China domestic is assessed at-sight basis with cash payment, and includes prevailing value added tax.

**Quality specifications:** Minimum purity of 99%.

### Vinyl Acetate Monomer (VAM)

**Assessment window:** Weekly assessments CFR China, CFR Southeast Asia, CFR South Asia and domestic China ex-tank based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Thursdays.

**Timing:** Cargoes for delivery 15-30 days forward from the date of publication for CFR assessments, and up to 10 days for domestic China.

**Basis and locations:** CFR China: Ningbo, Jiangyin, Nantong, Shanghai, Zhangjiagang; CFR Southeast Asia: Indonesia (Jakarta), Thailand (Bangkok); CFR South Asia: India (Kandla, Mumbai); Domestic China: Ex-tank Jiangyin, Zhangjiagang.

**Cargo size:** 1,000-2,000 mt for CFR China and CFR South Asia; 500-1,000 mt for CFR Southeast Asia; 200-500 mt for domestic China.

**Terms and conditions:** CFR China, CFR Southeast Asia and CFR South Asia are assessed basis L/C up to 30 days. For domestic east China, the loading period used for the assessments will be up to 10 days from the date of publication. The domestic price will be assessed on an at-sight basis with cash payment, and includes prevailing value added tax. For deals with usance of greater than 30 days the value of the extra credit allowance will be factored out for price assessment.

**Quality specifications:** Minimum purity of 99%.

## Solvents

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery/Loading Period	Min Size	Max Size	UOM	Conv	Code	PC Page	Wavg
														Mavg	
<b>Phenol</b>															
Phenol CFR China Weekly	USD	AAUAR04	AAUAR03		Spot	CFR	China	20-40 days forward from date of publication	1,000	3,000	MT		450	447	
Phenol CFR SEA Weekly	USD	AAUA004	AAUA003		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	500	1,000	MT		450	447	
Phenol CFR India Weekly	USD	AAVAS04	AAVAS03		Spot	CFR	India	15-30 days forward from date of publication	500	2,000	MT		450	447	
<b>Acetone</b>															
Acetone CFR China Weekly	USD	AAUAQ04	AAUAQ03		Spot	CFR	China	20-40 days forward from date of publication	1,000	3,000	MT		450	447	
Acetone CFR SEA Weekly	USD	AAUAP04	AAUAP03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	500	1,000	MT		450	447	
Acetone CFR India Weekly	USD	AAVAT04	AAVAT03		Spot	CFR	India	15-30 days forward from date of publication	500	1,000	MT		450	447	

## Solvents

### Phenol

**Assessment window:** Weekly assessments CFR China, CFR India and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesday.

**Timing:** Cargoes delivered 20-40 days forward from the date of publication for CFR China and CFR Southeast Asia; cargoes delivered 15-30 days forward from the date of publication for CFR India.

**Basis and locations:** CFR China: Ningbo, Shanghai, Zhangjiagang, Huangpu, Dalian; CFR Southeast Asia: Singapore, Thailand (Map Ta Phut), Indonesia (Merak, Gresik), Malaysia (Pasir Gudang, Bintulu); CFR India: JNPT, Kandla and Hazira.

**Cargo size:** 1,000-3,000 mt for CFR China; 500-1,000 mt for CFR

Southeast Asia; 500-2,000 mt for CFR India

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment. CFR India payment terms are by letter of credit 30-90 days, with applicable antidumping duty, or ADD, normalized according to Platts standards.

**Quality specifications:** ASTM 2439-96

### Acetone

**Assessment window:** Weekly assessments CFR China, CFR India and CFR Southeast Asia based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesday.

**Timing:** Cargoes delivered 20-40 days forward from the date of publication for CFR China and CFR Southeast Asia; cargoes

delivered 15-30 days forward from the date of publication for CFR India.

**Basis and locations:** CFR China: Ningbo, Shanghai, Zhangjiagang, Huangpu, Dalian; CFR Southeast Asia: Singapore, Thailand (Map Ta Phut); Indonesia (Merak, Gresik), Malaysia (Pasir Gudang, Bintulu). CFR India: Mumbai, Kandla, Hazira and Vizag.

**Cargo size:** 1,000-3,000 mt for CFR China; 500-1,000 mt for CFR Southeast Asia; 500-1,000 mt for CFR India.

**Terms and conditions:** CFR China and CFR Southeast Asia are assessed at L/C 90 days. For deals with usance of greater or less than 90 days, the value of the credit will be factored out for price assessment. CFR India payment terms are by letter of credit 30-90 days, with applicable antidumping duty, or ADD, normalized according to Platts standards.

**Quality specifications:** ASTM D329.

## Chlor-Alkali

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Delivery/Loading Period	Min Size	Max Size	UOM	Conv	Code	PC Page	
														Mavg	Wavg
<b>Caustic Soda</b>															
FOB NE Asia	USD	AAVSE04	AAVSE03		Spot	FOB	Northeast Asia	20-40 days forward from date of publication	2,000	6,000	DMT		534	380	
CFR Southeast Asia	USD	AAVSF04	AAVSF03		Spot	CFR	Southeast Asia	20-40 days forward from date of publication	2,000	6,000	DMT		534	380	
Domestic China Ex-works	CNY	AAXDE00	AAXDE03		Spot	Ex-works	China	0-10 days forward from date of publication	100	500	DMT		534		

### Chlor-alkali

#### Caustic Soda

**Assessment window:** Weekly assessments FOB Northeast Asia, CFR Southeast Asia and domestic China are based on latest information sourced from the market up to the close of the assessment window at 4:30 pm Singapore time (0830 GMT) on Tuesdays.

**Timing:** FOB Northeast Asia cargoes loaded 20-40 days forward from the date of publication. CFR Southeast Asia cargoes delivered 20-40 days forward from the date of publication. Chinese domestic cargoes are 0-10 days forward

from the date of publication.

**Basis and locations:** FOB Northeast Asia: South Korea (Daesan, Ulsan, Yeosu), Taiwan (Kaohsiung, Mailiao), Japan (Mizushima, Chiba, Tokuyama, Kashima, Ube, Oita, Yokkaichi, Kawasaki), and China (Shanghai, Dalian, Nanjing, Shantou, Guangzhou, Shenzhen, Nantong, Tianjin, Ningbo). CFR Southeast Asia: Indonesia (Merak), the Philippines (Manila), Thailand (Map Ta Phut) and Malaysia (Kertih). Domestic China: Ex-works East China.

**Cargo size:** 2,000-6,000 dmt for FOB Northeast Asia and CFR Southeast Asia; 100-500 dmt for domestic China.

**Terms and conditions:** FOB Northeast Asia and CFR Southeast Asia are assessed up to L/C 30 days. For deals with usance of greater than 30 days, the value of extra credit allowance will be factored out for price assessment. Domestic China: L/C at sight, and includes prevailing value added tax. Price indications in liquid metric tons (lmt) are taken into consideration and normalized to dry metric tons on the basis that the caustic soda content of 1,000 lmt is equal to that of 500 dmt, unless otherwise stated.

**Quality specifications:** Assessments typically are for caustic soda solution 50% commercial grade (membrane or diaphragm) for FOB Northeast Asia and CFR Southeast Asia; caustic soda solution 32% for domestic China.

## Asia Polymers Freight Netbacks

Assessment	Currency	Code	Mavg	Wavg	Contract Type	Contract Basis	Location	Min Size	Max Size	UOM	Conv	Code	PC Page	
													Mavg	Wavg
PP Inj FOB Middle East Netback	USD	AAWFA00	AAWFA03	AAWFA04	Spot	FOB	Middle East-China	20 foot container	20 foot container	MT		621		620
PP Raffia FOB Middle East Netback	USD	AAWFB00	AAWFB03	AAWFB04	Spot	FOB	Middle East-China	20 foot container	20 foot container	MT		621		620
HDPE Film FOB Middle East Netback	USD	AAWHK00	AAWHK03	AAWHK04	Spot	FOB	Middle East-China	20 foot container	20 foot container	MT		621		620
LDPE Film FOB Middle East Netback	USD	AAWHL00	AAWHL03	AAWHL04	Spot	FOB	Middle East-China	20 foot container	20 foot container	MT		621		620
LLDPE FOB Middle East Netback	USD	AAWHM00	AAWHM03	AAWHM04	Spot	FOB	Middle East-China	20 foot container	20 foot container	MT		621		620
PVC FOB Middle East Weekly	USD	AASMW00	AASMW03		Spot	FOB	Middle East-China	20 foot container	20 foot container	MT		620		

### Liquid (easy) chemicals, gas chemicals, polymers freight

Platts assesses freight rates for liquid chemicals, gas chemicals and polymers in Asia. Please refer to the Freight methodology and specifications guide for details of these assessments: [https://www.spglobal.com/platts/PlattsContent/\\_assets/\\_files/en/our-methodology/methodology-specifications/global\\_freight.pdf](https://www.spglobal.com/platts/PlattsContent/_assets/_files/en/our-methodology/methodology-specifications/global_freight.pdf).

### Platts global chemical indices

**Indices:** Platts publishes on a daily basis the following chemical indices, which are based on the assessments indicated in parentheses. The indices appear in Platts Chemical Alert (PCA) page 900.

- Global Ethylene (CFR NE Asia, FD NWE, FD USG)
- Global Propylene (FOB Korea, FD NWE, FD USG)
- Global Benzene (FOB Korea, CIF ARA, FOB USG)
- Global Toluene (FOB Korea, FOB Rotterdam, FOB USG)

- Global Paraxylene (FOB Korea, FOB Rotterdam, and FOB US Gulf)
- Global Low density polyethylene (CFR N Asia, FD NWE, FAS Houston)
- Global Polypropylene homopolymer (CFR N Asia, FD NWE, FAS Houston)
- Global Petrochemical Index (PGPI) (1)

**Weighted averages for each index above by region are as follows:**

- Global Ethylene (CFR NE Asia, FD NWE, FD USG), 0.52 Asia, 0.30 for US and 0.18 for Europe.
- Global Propylene (FOB Korea, FD NWE, FD USG), 0.65 Asia, 0.17 for US and 0.18 for Europe.
- Global Benzene (FOB Korea, CIF ARA, FOB USG), 0.63 Asia, 0.18 for US and 0.18 for Europe.

- Global Toluene (FOB Korea, FOB Rotterdam, FOB USG), 0.73 Asia, 0.14 for US and 0.13 for Europe.
- Global Paraxylene (FOB Korea, FOB Rotterdam, and FOB US Gulf), 0.90 Asia, 0.06 for US and 0.05 for Europe.
- Global Low density polyethylene (CFR N Asia, FD NWE, FAS Houston), 0.45 Asia, 0.22 for US and 0.33 for Europe.
- Global Polypropylene homopolymer (CFR N Asia, FD NWE, FAS Houston), 0.71 Asia, 0.13 for US and 0.17 for Europe.

The distribution reflects the relative sizes of the regional markets based on production capacity, as of 2022.

(1) The Platts Global Petrochemical Index (PGPI) is calculated based on the individual global product indices with the following weight distribution: 0.29 ethylene, 0.24 propylene, 0.10 benzene, 0.07 toluene, 0.12 paraxylene, 0.04 LDPE, and 0.14 PP.

**Unit:** USD/mt.



## Revision history

**October 2023:** Platts launched daily near-haul CFR NEA paraxylene assessments Oct 2, 2023.

**August 2023:** Platts launched daily Paraxylene Jiaxing port spread assessments Aug. 3, 2023.

**August 2023:** Platts launched daily MTBE FOB China assessments Aug. 1, 2023.

**August 2023:** Platts launched daily PTA FOB China assessments July 3, 2023.

**August 2023:** Platts launched daily production cost-based eMethanol FOB Shanghai assessments June 19, 2023.

**May 2023:** Platts completed an annual review of this guide.

**May 2023:** Platts launched daily r-PET FOB India assessments Apr 3, 2023

**March 2023:** Platts no longer includes Russia as potential origin source in Asia MTBE March 17, 2023

**March 2023:** Platts updated the calculations of LNG prices per energy content to reflect the Platts standard conversion rates on Jan. 31. LNG Bunker Singapore expressed in \$/GJ, are calculated by dividing the base \$/MMBtu LNG prices by 1.055.

**January 2023:** The specification guide has been renamed to Asia-Pacific Chemicals

**December 2022:** Platts updated the weighting used in the Platts Global chemical Indices to reflect production capacities in 2022 and better represent the relative sizes of the regional markets on Dec. 6, 2022.

**December 2022:** Platts launched daily butadiene FOB China assessments on Dec. 1, 2022.

**December 2022:** Platts clarified on Nov. 23, 2022 that import duty is reflected in its India domestic ex-tank methanol assessments. The import duty currently totals 2.75% based on a basic customs duty (BCD) rate of 2.5% plus an additional 10% social welfare surcharge (SWS) levied on the BCD rate.

**November 2022:** Platts launched daily toluene FOB China assessments on Nov. 1, 2022.

**November 2022:** Platts launched assessments of methanol derivatives which settle against the physical Platts methanol CFR China marker on Oct. 3, 2022.

**November 2022:** Platts launched new India domestic methanol ex-tank assessments Sept. 26, 2022.

**September 2022:** Platts made minor edits to language on berth description for benzene FOB Korea, and removed cost comparisons for alternative marine fuels in Houston under the methanol bunker Singapore section.

**September 2022:** Platts started publishing Asia/open origin spread assessments for Asia paraxylene CFR Taiwan/China on Aug. 26, 2022.

**September 2022:** Platts launched a daily recycled high density polyethylene (R-HDPE) black blow moulding pellet FOB Southeast Asia assessment on Aug. 1, 2022.

**September 2022:** Platts launched daily styrene monomer FOB China assessments on July 1, 2022.

**May 2022:** Platts clarified the description of natural color for recycled polyethylene assessments.

**April 2022:** Platts added a table listing the symbols for the recycled to virgin polymer price spreads

**March 2022:** Platts launched daily ethylene-grade PVC and carbide-based PVC FOB China assessments on March 1, 2022.

**March 2022:** Platts completed an annual review of this guide in February 2022, reviewing all content, correcting typos and making minor edits to language.

**March 2022:** Platts added two new DOTP assessments Jan 6, 2022.

**March 2022:** Platts extended the benzene derivatives assessments to include derivative contracts for up to six months forward from Jan. 3, 2022.

**March 2022:** Platts started reflecting only non-sanctioned material in its CFR China methanol assessment, effective Jan. 3, 2022.

**March 2022:** Platts included Jiaxing port in East China as a non-par delivery port in the paraxylene CFR Taiwan/China MOC assessment process from Jan. 3, 2022.

**October 2021:** Platts launched delivered methanol bunker fuel assessment in Singapore, and daily cost comparisons for alternative marine fuels reflecting the calorific value comparison of methanol bunker fuel, LNG bunker fuel, marine fuel oil and marine gasoil on Oct. 25, 2021. Platts corrected typo on terminal nominations for trades published in the PX CFR Taiwan/China MOC assessment process. Platts launched India CFR methanol daily assessment on Oct. 1, 2021. Platts launched CFR South Asia LDPE daily assessment on Sept. 1, 2021, and amended the basket of ports for South Asia PE assessments on Oct. 6, 2021.

**July 2021:** Platts changed the credit terms for its daily CFR India toluene assessments to reflect letter of credit (L/C) 90 days from July 1, 2021.

**July 2021:** Platts launched recycled low density polyethylene (R-LDPE) film pellets FOB Southeast Asia assessment on June 23, 2021.

**May 2021:** Platts changed the credit terms for its weekly CFR

India styrene monomer assessment to reflect letter of credit (L/C) 90 days with effect from May 3, 2021.

**May 2021:** Platts updated the description of ENEOS Corporation benzene CP nomination and settlement in the aromatics table.

**April 2021:** Platts completed an annual review of this guide in March 2021, reviewing all content, correcting typos, making minor edits and adding clarity to language and tables.

**April 2021:** Platts added terminal nominations for trades published in the PX CFR Taiwan/China MOC assessment process, and details on benzene and PX derivatives assessments.

**April 2021:** Platts updated the guide to reflect the unit of measurement for caustic soda spot price assessments is dry metric tons.

**April 2021:** Platts clarified that its PVC CFR India assessment is assessed basis L/C 30 days.

**April 2021:** Platts clarified that its PVC, PTA, caustic soda China domestic assessments reflect loading 0-10 days forward from the date of publication.

**April 2021:** Platts clarified that its polyester yarn and fiber China domestic assessments reflect ex-works basis.

**April 2021:** Platts clarified that its polypropylene raffia China domestic assessment does not include import duties, the standard import duty used in the calculation of the import parity equivalent of the benzene East China domestic assessments is 2%, and all its China domestic assessments including benzene, polyethylene, PVC, acetic acid, VAM and caustic soda are inclusive of the prevailing value added tax.

**April 2021:** Platts clarified paraxylene derivatives credit and trading terms.

**April 2021:** Platts launched FOB Southeast Asia recycled PET premium grade clear flakes assessment on March 24, 2021.

**January 2021:** Platts has added Dumai to the basket of ports reflected in its CFR Southeast Asia methanol assessment, and has amended the port basket to reflect Port Klang, Kuantan, Dumai and Singapore as the price basis of its CFR Southeast Asia methanol assessment, effective January 4, 2021. The previous basket of ports comprised Jakarta, Merak, Surabaya, Port Klang, Kuantan, Kertih, Singapore, Bangkok and Map Ta Phut.

**January 2021:** Platts discontinued the publication of its weekly toluene CFR Taiwan LC 0-30 days assessment from January 4, 2021.

**January 2021:** Platts launched PMMA CFR China and CFR Southeast Asia assessments on December 14, 2020.

**January 2021:** Platts launched recycled high density polyethylene (R-HDPE) film pellets FOB Southeast Asia assessment on December 9, 2020.

**November 2020:** Platts launched daily paraxylene CFR Taiwan/China derivatives assessments on November 2, 2020.

**September 2020:** Platts started databasing paraxylene Asia Contract Price (ACP) nominations from ExxonMobil, Idemitsu Kosan, ENEOS Corporation and SK Global Chemical, and updated its PX and benzene ACP nomination and settlement to reflect the change in the company name of JXTG Nippon Oil & Energy Corporation to ENEOS Corporation from September 1, 2020.

**September 2020:** Platts discontinued the toluene CFR China LC 0-30 days assessments from August 14, 2020.

**September 2020:** Platts changed the frequency of the toluene CFR India outright assessment to a daily basis from a weekly

assessment previously, and launched a toluene CFR India cash differential daily assessment on August 3, 2020. Platts changed the delivery laycan for the toluene CFR India assessments to reflect the third half-month cycle, from 20-40 days forward from the date of publication previously, changed the delivery ports to reflect Kandla and Mumbai from Kandla, Mumbai and Visakhapatnam previously, and added a minimum purity content of 99.5% to the quality specifications for the CFR India assessments from August 3, 2020.

**July 2020:** Platts launched FOB Southeast Asia recycled PET clear flakes assessment on July 1, 2020.

**June 2020:** Platts launched CFR China and CFR Southeast Asia methyl methacrylate, or MMA, assessments in June 2020.

**June 2020:** Platts launched the daily CFR China assessment for isomer-MX on June 1, 2020.

**May 2020:** Platts clarified that its monoethylene glycol China domestic and purified terephthalic acid China domestic assessments have been reflecting parcel sizes of 500-1,000 mt, instead of 50-100 mt for MEG and 100-500 mt for PTA as previously stated in the specifications guide. In April 2020, Platts lowered the quantity reflected in the CFR China phthalic anhydride assessment to 100-300 mt from 500-1,000 mt, effective April 8, 2020.

**April 2020:** Platts completed an annual review of this guide in March 2020, reviewing all content, correcting typos and making minor edits to language. The typical aromatics operation section was removed as typical nomination standards are already stated in their corresponding sections. Platts updated the PX table to include symbol codes for ACP nominations and settlements, and added a section in the text describing the ACP and CP. Platts launched a daily PX demurrage assessment on March 6, 2020. Platts has changed its PTA CFR India assessment frequency from weekly (Friday) to daily, following market feedback on price volatility and expectation of growing

PTA imports into India, effective February 3, 2020. Platts updated the guide to reflect exclusion of terminals that cannot accommodate vessels larger than 5,000 dwt in the benzene CFR China Market on Close assessment process from November 1, 2019.

**February 2020:** Platts amended its CFR Taiwan/China PX laytime, demurrage guidelines and will only publish bids and offers that do not state vessel size in its Market on Close assessment process from January 6, 2020.

**February 2020:** Platts has included Jiangyin in CFR Taiwan/China paraxylene MOC assessment process from January 2, 2020.

**February 2020:** Platts launched the daily East China basis Chinese Yuan (CNY) conversion of the first published laycan of the CFR Taiwan/China paraxylene (PX) assessment on November 1, 2019.

**July 2019:** Platts revised the CFR India methanol assessment to a freight netback formula from its CFR China methanol assessment.

**July 2019:** Platts launched China domestic polyester yarn and fiber assessments in April 2019.

**July 2019:** Platts clarified in March 2019 that it would reflect prevailing value added tax in the VAT component of import parity calculations in its domestic China assessments.

**July 2019:** Platts moved Sections 1-6 of the Platts Methodology and Specifications Guide into a standalone methodology guide.

**April 2019:** Platts launched butadiene CFR Northeast Asia assessment in January 2019.

**March 2019:** [Annual Review] Platts completed an annual read-

through of the methodology guide, making general typographical changes.

**December 2018:** Platts changes CFR China methanol delivery laycan to 20-50 days forward from 20-40 days forward.

**December 2018:** Platts assesses Asia Benzene Domestic East China marker, Domestic East China Import Parity marker, Sinopec Listed Price.

**December 2018:** Platts discontinues orthoxylene CFR India assessment.

**December 2018:** Platts moves Asian chemicals freight methodology and tables to Freight methodology and specifications guide.

**October 2018:** Platts updates MTBE FOB factor to MTBE FOB Singapore factor.

**October 2018:** Platts updates cargo size for Styrene Monomer CFR China assessment, from 2,000 mt to 2,000-3,000 mt

**October 2018:** Platts launches CFR India assessment for solvent-MX, and revises quality specifications for solvent-MX.

**October 2018:** Platts changes the methanol CFR India MOC process from Fridays to Wednesdays.

**September 2018:** Platts removes Taizhou, Zhangjiagang from CFR China benzene assessments.

**August 2018:** Platts updates Chinese VAT from 17% to 16% across all Petchems products with a domestic Chinese assessment.

**August 2018:** Platts launches domestic east China and Shandong China daily propylene assessments.

**August 2018:** Platts updates solvent mixed xylenes CFR China ports.

**June 2018:** Platts assesses domestic East China benzene cargoes for prompt, Mo01 and Mo02 laycans.

**June 2018:** Platts revise methanol cargo volume for CFR China and CFR India.

**May 2018:** Platts to independently assess CFR Taiwan styrene monomer.

**May 2018:** Platts revises laycans in Asian benzene marker. Platts added an extra half-month laycan to the Asian benzene FOB Korea assessment on January 15, 2018.

**April 2018:** [Annual Review] Added revised parts I-VI. General typographical changes, deletions of repeated text. Removed language related to normalization already included in parts I-VI. Platts revises the weekly Wednesday domestic China PP Raffia assessments to daily assessments on February 1, 2018. Platts adds an extra forward half-month marker laycan to the FOB Korea benzene assessment from January 15, 2018. Platts adds load points in the MTBE FOB Singapore marker to reflect the same loading ports for the Asian Gasoline FOB Straits methodology from January 5, 2018.

**January 2018:** Platts launches daily forward domestic China styrene assessments on February 1, 2018.

**January 2018:** Platts revises the timing for Asia polypropylene to 20-45 days forward from 15-30 days forward, starting January 4, 2018.

**January 2018:** Platts moves the three half-month marker laycans in the FOB Korea and CFR Taiwan/China paraxylene assessments forward by a half-month, simultaneously removing the prompt half-month laycan from the marker, from January 2, 2018.

**December 2017:** Platts clarifies Asian paraxylene credit terms. Platts discontinues certain Asian paraxylene ports of delivery in the CFR Taiwan.China assessments.

**October 2017:** Platts adds an extra half-month laycan to the Asian paraxylene FOB Korean and CFR Taiwan/China assessments.

**August 2017:** Updated Asian PX terms and conditions to reflect clarification note that Platts reflects the delivery of PX of any origin in line with market conventions. In addition Platts may not publish indications to trade which are dealing with restrictive conditions particularly for delivery into ports, terminals which cannot receive vessels above 10,000 dwt. Following market feedback, S&P Global Platts has revised the Styrene Monomer standard operational procedures for FOB Korea, CFR China and CFR Taiwan assessments, effective August 17.

**July 2017:** Platts clarifies that Taiwan and China remain basis locations for the PX CFR Taiwan/China marker.

**June 2017:** Updated Asian PX terms and conditions to reflect the clarification note that Platts assesses open origin cargoes, and that country-specific bids, offers or trades may be normalised or excluded from the assessment.

**April 2017:** [Annual Review] Removed discontinued Isomer-MX CFR SE Asia Weekly, Solvent-MX CFR China LC 90 Weekly, and Solvent-MX CFR China Weekly assessments, as well as appendix 2. Removed references to Libor from credit terms, clarified VAT rates in domestic China assessments and clarified normalization of basis and locations in benzene assessments. Timing, standard operating procedures and loading in aromatics half-month laycans have also been clarified and updated. In addition, both easy liquid and gas chemical freight assessment methodologies were added.

**September 2016:** [Annual Review] Platts have updated the methodology guide to enhance the clarity and usefulness of all guides, and to introduce greater consistency of layout and structure across all published methodology guides. The guide was also updated to add Asia Toluene CFR China new laycans launch and marker calculation update, Asia Styrene Monomer additional laycans for FOB Korea and CFR China, launch of new CFR India Phenol and CFR India Acetone assessments and PX New Freight assessment.

**March 2016:** Platts have updated the methodology guide to include the updated methodologies for the Global Petrochemical Indices.

**March 2016:** This methodology guide was updated to add a third half-month marker laycan to its daily Asian paraxylene assessments for FOB Korea and CFR Tai-wan/China.

**January 2016:** This methodology guide was updated to remove the Natural Rubber Index, and to include new CFR China assessment for Benzene.

**November 2015:** This methodology guide was updated to amend the timing policies and cargo size for MTBE assessment, and clarification to the specifications of MTBE assessed.

**October 2015:** This methodology guide was updated for clarification and to include new metallocene grade assessments for LLDPE.

**February 2015:** This methodology guide was updated to include further description of Platts' processes and practices in survey assessment environments.

**February 2015:** Updates L/C terms for CFR India PTA assessment from 30 days to 90 days.

**August 2014:** Platts revamped all Petrochemical Methodology And Specifications Guides, including its Asia-Pacific Petrochemical guide, in August 2014. This revamp was completed to enhance the clarity and usefulness of all guides, and to introduce greater consistency of layout and structure across all published methodology guides. Methodologies for market coverage were not changed through this revamp, unless specifically noted in the methodology guide itself.