

# Melamine

October 2023

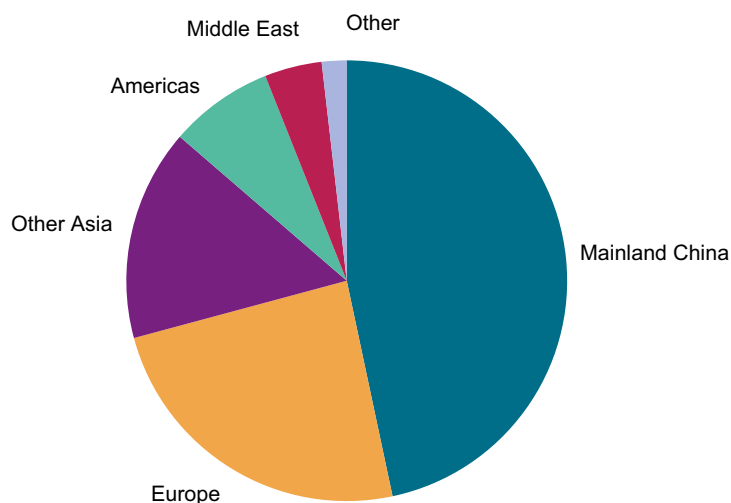
## Abstract

The properties of melamine resin provide product advantages. These properties include abrasion, chemical, physical and thermal resistance; hardness; and the ability to combine with other chemicals to make melamine resins with good handling and molding properties. The high nitrogen content of melamine resin also provides fire-retardant properties. The major end-use markets for melamine include construction/remodeling, automotive production and original equipment manufacture (OEM). Thus, demand is influenced largely by general economic conditions.

More than 70% of global melamine consumption is for laminates and wood adhesives production. Laminates are found in products such as furniture, floors, kitchen cabinets and countertops, and walls. Wood adhesives based on melamine are found in a number of wood products, including medium-density fiberboard (MDF), particleboard and plywood. Melamine-modified wood adhesives improve the durability and moisture resistance of the final woodboard.

The following pie chart shows world consumption of melamine:

## World consumption of melamine — 2023



Data compiled Sept. 13, 2023.  
Source: S&P Global Commodity Insights.  
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Overall, economic performance will continue to be the best indicator of future demand for melamine. Demand in most downstream markets is greatly influenced by general economic conditions. As a result, demand largely follows the patterns of the leading world economies. The major end-use markets include construction/remodeling, automotive production and original equipment manufacture.

During the last several years, melamine consumption has increased as global economies have improved and end-use industries such as housing, construction and automotive have continued to grow. In 2020, melamine consumption declined because of the COVID-19 pandemic and the resulting negative effect on the global economy and the melamine end-use industries such as construction and automotive. Melamine consumption recovered in 2021 and continued to grow until late 2022, when the global economy experienced some slowdowns. As a result, consumption will grow slightly in 2023 and will experience modest growth in the years thereafter. Global melamine consumption growth is expected to be 3%-4% per year during 2023–28.

The modest global growth will be driven by mainland China, which accounts for nearly half of world melamine consumption, as well as almost three-fourths of total world capacity. Relatively stronger growth will also take place in other parts of Asia, such as South Asia and Southeast Asia. Modest growth is expected for other regions of the world, including the Middle East, Central and Eastern Europe, Eurasia, North America and Central and South America. More limited growth is expected in Western Europe, and relatively flat growth is forecast for Japan.

The largest global melamine producers are in mainland China and Europe; most major producers operate in only one region or country. There many mid-sized producers that meet their own captive requirements.

**For more detailed information, see the table of contents, shown below.**

**S&P Global's Chemical Economics Handbook – Melamine** is the comprehensive and trusted guide for anyone seeking information on this industry. This latest report details global and regional information, including



Global summary;  
regional coverage



Producers with  
annual capacities  
and plant sites



Production figures  
and trends



Consumption and  
forecasts by end use  
application



Manufacturing  
processes and  
environmental issues



Trade – imports  
and exports

## Key benefits

**S&P Global's Chemical Economics Handbook – Melamine** has been compiled using primary interviews with key suppliers and organizations, and leading representatives from the industry in combination with S&P Global's unparalleled access to upstream and downstream market intelligence and expert insights into industry dynamics, trade and economics.

This report can help you

- Identify trends and driving forces influencing chemical markets
- Forecast and plan for future demand
- Understand the impact of competing materials
- Identify and evaluate potential customers and competitors
- Evaluate producers
- Track changing prices and trade movements
- Analyze the impact of feedstocks, regulations and other factors on chemical profitability

# Table of contents

<b>Executive summary</b>	<b>6</b>
<b>Summary</b>	<b>7</b>
<b>Introduction</b>	<b>16</b>
<b>Manufacturing processes</b>	<b>18</b>
<b>Environmental issues</b>	<b>21</b>
<b>Supply and demand by region</b>	<b>22</b>
United States	22
Producing companies	22
Salient statistics	23
Consumption	23
Laminates	24
Conventional laminates	25
Laminate flooring	26
Surface coatings	27
Automotive finishes — OEM	28
Metal containers	29
Coil coatings	29
Metal furniture	30
Other	30
Wood adhesives	30
Molding compounds	31
Paper treating	32
Paper coatings	32
Paper wet-strength resins	32
Textile treating	33
Other	33
Ceiling tiles	34
Flame retardants	34
Tire cord	34
Miscellaneous	35
Price	35
Trade	36
Imports	36
Exports	38
Canada	38
Salient statistics	38
Consumption	39
Price	40
Trade	40
Imports	40
Exports	41
Mexico	41

Salient statistics	41
Consumption	42
Price	42
Central and South America	43
Producing companies	43
Salient statistics	43
Consumption	45
Western Europe	46
Producing companies	46
Salient statistics	46
Production	47
Consumption	48
Laminates	50
Conventional laminates	51
Laminate flooring	51
Wood adhesives	52
Surface coatings	53
Molding compounds	54
Textile and paper treating	55
Other	55
Flame retardants and melamine salts	55
Concrete superplasticizers	56
Miscellaneous	56
Price	56
Trade	57
Imports	58
Exports	58
Central and Eastern Europe	59
Producing companies	59
Salient statistics	60
Consumption	61
Eurasia	62
Producing companies	62
Salient statistics	62
Consumption	63
Middle East	64
Producing companies	64
Salient statistics	64
Consumption	65
Africa	66
Producing companies	66
Salient statistics	66
Consumption	67
Mainland China	67
Producing companies	67
Salient statistics	74
Consumption	75

Price	78
Trade	78
Imports	78
Exports	79
Japan	80
Producing companies	80
Salient statistics	80
Consumption	81
Wood adhesives	82
Surface coatings	83
Laminates	83
Molding compounds	84
Textile and paper treating	84
Other	84
Price	85
Trade	86
Imports	86
Exports	87
Other Northeast Asia	87
Producing companies	87
Salient statistics	88
Consumption	88
Trade	90
South Korea	90
Taiwan	91
South Asia	91
Overview	91
Producing companies	91
Salient statistics	92
Consumption	93
Trade	94
Southeast Asia	94
Producing companies	94
Salient statistics	94
Consumption	95
Trade	97
Indonesia	97
Malaysia	97
Thailand	98
Singapore	98
Other Southeast Asia	99
Oceania	99
Producing companies	99
Salient statistics	100
Consumption	100
<b>Additional resources</b>	<b>102</b>
<b>Revisions</b>	<b>103</b>



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