# Thermoplastic Copolyester Elastomers

**September 2024**

## Abstract

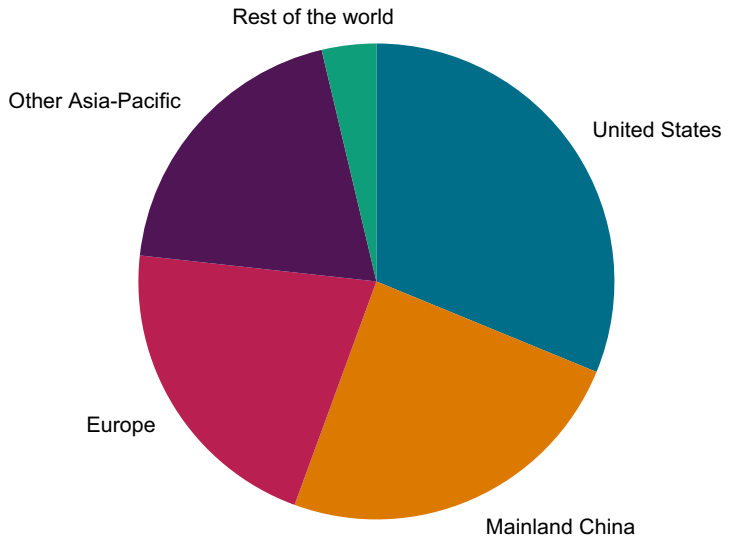
Thermoplastic copolyester elastomers (TPCs) are a class of thermoplastic elastomers (TPEs) that combine many of the properties of thermoplastics and rubbers. TPCs are high-performance engineering materials with thermoplastic behavior and structural strength, but also exhibit elasticity and resistance to impact and flex fatigue. At low strains, they have a low hysteresis and behave like a perfect spring with ideal elasticity. In addition, these materials possess excellent resistance to oils and chemicals and have high service temperatures. TPCs have replaced other materials, such as metal and general rubbers, and will continue to do so, as well as replacing composites of rubber with metal, glass and fabrics without reinforcement.

TPCs are used predominantly in automotive parts, hose and tubing, medical uses, and wire and cable.

The following pie chart shows world consumption of TPCs:

S&P Global
Commodity Insights

**World consumption of thermoplastic copolyester elastomers — 2023**




Data compiled Aug. 5, 2024.
Source: S&P Global Commodity Insights.
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**For more detailed information, see the table of contents, shown below.**

**S&P Global's Chemical Economics Handbook — *Thermoplastic Copolyester Elastomers*** 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 — *Thermoplastic Copolyester Elastomers*** 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


**Executive summary** 5
**Summary** 7
**Introduction** 15
**Manufacturing processes** 17
**Environmental issues** 18
**Supply and demand by region** 19
United States 19
- Producing companies 19
- Production 20
- Consumption 20
  - Automotive 21
  - Hose and tubing 22
  - Medical 22
  - Wire and cable 22
  - Other 22
- Price 23
- Trade 23

Western Europe 23
- Producing companies 23
- Production 25
- Consumption 26
  - Automotive 28
  - Hose and tubing 28
  - Wire and cable 28
  - Medical 29
  - Other 29
- Price 29
- Trade 30

Central and Eastern Europe 30
- Producing companies 30
- Consumption 30

Eurasia 33
- Producing companies 33
- Consumption 33

Middle East and Africa 34
Mainland China 34
- Producing companies 34
- Production 36
- Consumption 36
- Price 38
- Trade 38

Northeast Asia 38

Overview 38
Producing companies 38
Consumption 40
Japan 40
Production 40
Consumption 41
Price 43
Trade 43
South Asia 43
Southeast Asia and Oceania 44
Southeast Asia 45
Oceania 45
**Additional resources 46**
**Revisions 47**
**Data Workbook 48**

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