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Global Thermoplastic Elastomers

May 2018



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About This Report

Scope & Method

This report forecasts to 2022 global demand for thermoplastic elastomers (TPEs) by product, market, and major world region in volume terms. Product segments include:

- styrenic block copolymers
- thermoplastic polyolefins
- polyolefin elastomers
- thermoplastic polyurethanes
- other products such as thermoplastic vulcanizates and copolyester elastomers

Reported markets encompass:

- motor vehicles
- consumer goods
- asphalt and roofing
- adhesives, sealants, and coatings
- other markets such as industrial products, packaging, and medical products

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, product, market, and regional demand (including product and market segments) are provided for 2007, 2012, and 2017. Global production is segmented by major world region and provided for 2007, 2012, 2017, and 2022.

For the purposes of this report, a thermoplastic elastomer is defined as any thermoplastic material that exhibits elastomeric properties; TPEs offer the functional performance characteristics of thermoset rubber, but are processed using the methods and machinery of rigid thermoplastics. SBCs that do not exhibit elastomeric properties (i.e., high styrene products that contain roughly 60% or more styrene) are excluded from this report's scope.

This report quantifies trends in terms of compound annual growth rates (CAGRs), which, by definition, employ in their calculation only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the trend beginning in the base year and ending in the forecast year. Forecasts are developed via the identification and analysis of pertinent statistical relationships and other historical trends and events, as well as their expected impact over the forecast period. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

About This Report

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2017.

Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Global Thermoplastic Elastomers (FW50015) is based on [a comprehensive industry study](#) published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 10 | Industry Codes Related to Thermoplastic Elastomers

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
325211	Plastics material and resin manufacturing	2821	Plastics materials, synthetic and resins, and nonvulcanizable elastomers
325212	Synthetic rubber manufacturing	2822	Synthetic rubber

Source: US Census Bureau

About This Report

Table 11 | HS Codes Related to Thermoplastic Elastomers

HS Code	Definition
390140	Ethylene polymers; in primary forms, ethylene-alpha-olefin copolymers
390230	Propylene; other olefin polymers; propylene copolymers in primary forms
390319	Styrene polymers; (other than expansible polystyrene), in primary forms
390799	Polyesters; n.e.s., saturated, in primary forms
390950	Polyurethanes; in primary forms
400219	Rubber; synthetic, styrene-butadiene rubber and carboxylated styrene-butadiene rubber, other than latex, in primary forms, or in plates, sheets, or strip
400249	Rubber; synthetic, chloroprene (chlorobutadiene) rubber, other than latex, in primary forms
400280	Rubber; mixtures of natural and synthetic rubbers, in primary forms or in plates, sheets, or strip

Source: United Nations Statistics Division

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Resources

The Freedonia Group

Global Thermoplastic Elastomers, May 2018

Freedonia Industry Studies

Adhesives & Sealants in the US, April 2018

Silicones Market in the US, February 2018

Global Industrial Rubber Products Market, February 2018

Global Plastics Processing Machinery, January 2018

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Disposable Diapers: United States

Footwear: United States

Global Industrial Rubber Products

Hot Melt Adhesives & Sealants: United States

Household Refrigerators & Freezers: United States

Personal Care Appliances: United States

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Trade Publications

Automotive News

Automotive World

European Rubber Journal

Japan Rubber Weekly

Medical Plastics News

Plastics & Rubber News

Plastics News

3dprint.com

Agencies & Associations

European Commission

Eurostat

International Monetary Fund

NACE (Nomenclature Statistique des Activités Économiques)

Organisation for Economic Co-operation and Development

United Nations Statistics Division

United States Census Bureau

United States International Trade Commission

World Bank