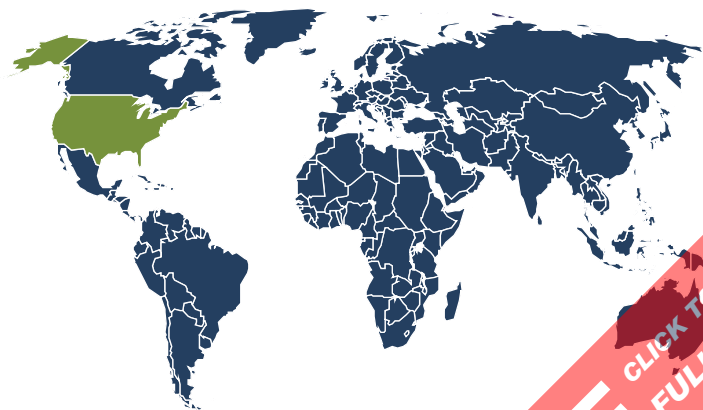




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Polystyrene: United States

August 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Environmental and Regulatory Factors
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ABOUT THIS REPORT

Scope & Method

This report forecasts US polystyrene (PS) resin demand in pounds to 2020. Total demand is segmented by form in terms of:

- crystal (solid)
- rubber-modified
- expanded.

Recycled PS resin is excluded from the scope of this report. Re-exports of PS resin are excluded from demand figures.

Total demand is also segmented by market as follows:

- consumer and institutional
- packaging
- building products
- electrical and electronic
- other markets such as furniture and furnishings, industrial machinery, and transportation.

To illustrate historical trends, total demand, total production, price, and the various segments are provided in annual series from 2005 to 2015.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided with quantified trends. 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

Polystyrene: United States (FF55043) represents 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

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325211	Plastics Material and Resin Mfg	2671	Packaging Paper and Plastics Film, Coated and Laminated
326112	Plastics Packaging Film and Sheet (including Laminated) Mfg	2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers
326113	Unlaminated Plastics Film and Sheet (except Packaging) Mfg	3081	Unsupported Plastics Film and Sheet
326140	Polystyrene Foam Product Mfg	3086	Plastics Foam Products
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	5162	Plastics Materials and Basic Forms and Shapes

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3342 World Plastics Processing Machinery, November 2015

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3336 Custom Thermoplastic Compounding, October 2015

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3242 Engineering Plastics, April 2015

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Thermoplastic Resins: United States

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Freedonia Custom Research

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Trade Publications

Compounding World

www.compoundingworld.com

Journal of Plastic Film & Sheeting

<http://jpf.sagepub.com>

Plastics & Rubber Weekly

www.prw.com

Plastics Distributor & Fabricator

www.plasticsmag.com

Plastics Engineering

www.plasticsengineering.org

Plastics News

www.plasticsnews.com

Plastics Technology

www.ptonline.com

Plastics Today

www.plasticstoday.com

PolymerTrack

www.polymertrack.com

Rubber & Plastics News

www.rubbernews.com

The SPI Magazine

www.plasticsindustry.org/magazine

Agencies & Associations

American Chemistry Council

www.americanchemistry.com

The Association of Plastic Recyclers

www.plasticsrecycling.org

International Association of Plastics Distribution

www.iapd.org

International Cast Polymer Association

<http://theicpa.com>

Society of Plastics Engineers

www.4spe.org

SPI: The Plastics Industry Trade Association

www.plasticsindustry.org

United States Census Bureau

www.census.gov

United States Environmental Protection Agency

www.epa.gov

United States International Trade Commission

www.usitc.gov

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