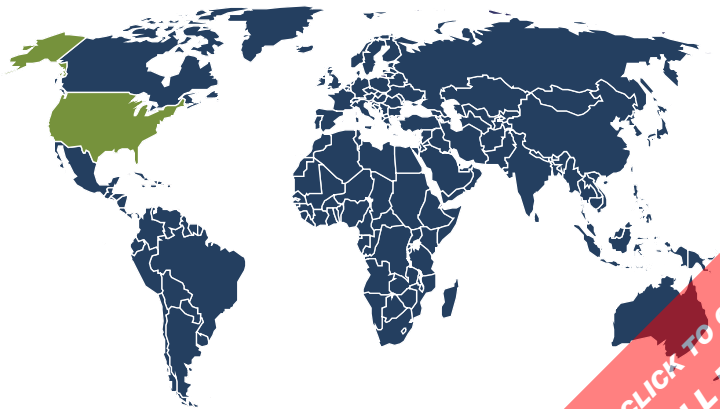




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Thermoplastic Resins: United States

September 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Trade | Technology
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Segmentation and Forecasts

Types

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ABOUT THIS REPORT

Scope & Method

This report forecasts US thermoplastic resin demand in pounds to 2020. Total demand is segmented by resin type in terms of:

- high-density polyethylene (HDPE)
- linear low-density polyethylene (LLDPE)
- low-density polyethylene (LDPE)
- polypropylene (PP)
- polyvinyl chloride (PVC)
- polyethylene terephthalate (PET)
- polystyrene (PS)
- other thermoplastics such as acrylonitrile butadiene styrene (ABS), polycarbonate (PC), and bioplastics.

Reported quantities of thermoplastic resins are limited to neat resin excluding additives or fillers. For the purposes of this report, “thermoplastics” and “thermoplastic resins” are used interchangeably. Re-exports of thermoplastic resins are excluded from demand figures.

To illustrate historical trends, total demand 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

Thermoplastic Resins: United States (FF55046) 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
325991	Custom Compounding of Purchased Resins	2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers
326112	Plastics Packaging Film and Sheet (including Laminated) Mfg	3081	Unsupported Plastics Film and Sheet
326113	Unlaminated Plastics Film and Sheet (except Packaging) Mfg	3084	Plastics Pipe
326122	Plastics Pipe and Pipe Fitting Mfg	3086	Plastics Foam Products
326140	Polystyrene Foam Product Mfg	3087	Custom Compounding of Purchased Plastics Resins
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	5162	Plastics Materials and Basic Forms and Shapes

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Table of Contents

Section	Page
About This Report	i
Highlights.....	1
Market Environment	2
Historical Trends	2
Chart 1 US Thermoplastic Resin Demand Trends, 2005-2015 (mil lbs)	2
Key Economic Indicators	3
Table 1 Key Indicators for US Thermoplastic Resin Demand; 2005, 2015, 2020 (2009US\$ bil).....	3
Trade.....	4
Chart 2 US Thermoplastic Resin Imports by Country, 2005-2015 (mil lbs)	4
Chart 3 US Thermoplastic Resin Exports by Country, 2005-2015 (mil lbs)	5
Technology	6
Environmental & Regulatory Factors	8
Price Trends.....	10
Table 2 US Thermoplastic Resin Price Trends; 2005, 2010, 2015 (US\$/lb)	10
Segmentation & Forecasts.....	11
Types	11
Chart 4 US Thermoplastic Resin Demand by Type; 2005-2015, 2020 (mil lbs)	11
Polyethylene.....	12
High-Density Polyethylene.....	13
Linear Low-Density Polyethylene.....	14
Low-Density Polyethylene.....	15
Polypropylene.....	16
Polyvinyl Chloride.....	17
Polyethylene Terephthalate.....	18
Polystyrene.....	19
Other Types.....	19
Chart 5 US Thermoplastic Resin Demand by Type Share; 2005-2015, 2020 (%).....	20
Industry Structure.....	22
Industry Composition & Characteristics.....	22
Table 3 Representative Thermoplastic Resin Suppliers to the US Market	22
Company Profile 1 Exxon Mobil Corporation.....	23
Company Profile 2 LyondellBasell Industries NV	24
Company Profile 3 Shin-Etsu Chemical Co Ltd.....	25
Additional Companies Cited.....	26
Resources	27

To return here, click on any Freedonia logo or the Table of Contents link in report footers.
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3242 Engineering Plastics, April 2015

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IHS Chemical Week

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Plastics News

www.plasticsnews.com

Plastics Today

www.plasticstoday.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>

PET Resin Association

www.petresin.org

Plastic Shipping Container Institute

www.pscionline.org

Plastics Pipe Institute

<http://plasticpipe.org>

Society of Plastics Engineers

www.4spe.org

SPI: The Plastics Industry Trade Association

www.plasticsindustry.org

United States Census Bureau

www.census.gov

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