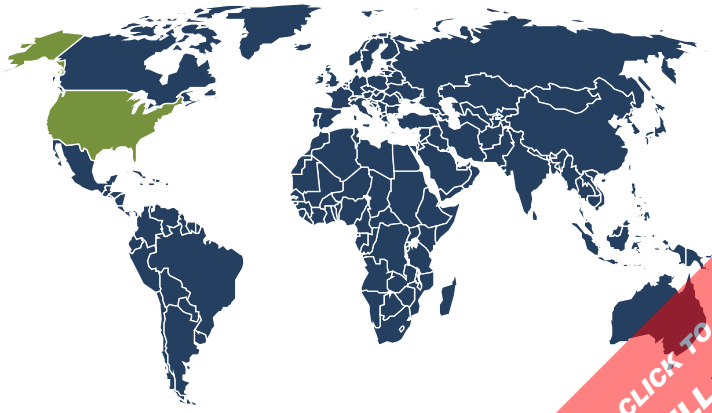
Freedonia®

Freedonia Focus Reports
US Collection

Thermoplastic Resins:
United States



September 2016

www.freedoniafocus.com

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 North American Industry Classification System		SIC 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

Copyright & Licensing

Table of Contents

To return here, click on any Freedonia logo or the Table of Contents link in report footers.
PDF bookmarks are also available for navigation.

RESOURCES

The Freedonia Group

www.freedoniagroup.com

Related Industry Studies

3405 Plastic Foams, June 2016	see study contents
3342 World Plastics Processing Machinery, November 2015	see study contents
3336 Custom Thermoplastic Compounding, October 2015	see study contents
3242 Engineering Plastics, April 2015	see study contents
3243 Plastic Film, January 2015	see study contents

Related Focus Reports

Construction: United States	see report contents
Packaging: United States	see report contents
Plastics Processing Machinery: United States	see report contents
Polyethylene: United States	see report contents
Polypropylene: United States	see report contents
Polystyrene: United States	see report contents
Polyvinyl Chloride: United States	see report contents
Freedonia Custom Research	see capabilities

Trade Publications

ICIS Chemical Business	www.icis.com
IHS Chemical Week	www.chemweek.com
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
United States International Trade Commission	www.usitc.gov

Environmental Impact. Please consider the environment before printing this report. Freedonia Focus Report collections feature environmentally friendly products distributed entirely via electronic channels.