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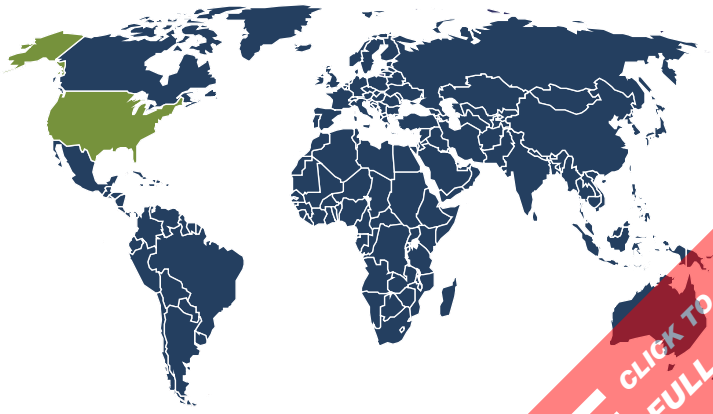
US Collection

Polyethylene:

United States



July 2016

Highlights

Industry Overview
Historical Trends | Key Economic Indicators | Trade | Technology
Environmental and Regulatory Factors | Capacity Overview

Segmentation and Forecasts
Resins | Markets

Industry Structure
Industry Composition and Characteristics | Additional Companies Cited

Resources

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ABOUT THIS REPORT

Scope & Method

This report forecasts US polyethylene (PE) resin demand and shipments in pounds to 2020. Total demand is segmented by resin in terms of:

- high-density PE (HDPE)
- linear low-density PE (LLDPE)
- low-density PE (LDPE).

Ethylene copolymers such as ethylene vinyl acetate (EVA) and polyolefin elastomers/plastomers are excluded from the scope of this report. Re-exports of PE are excluded from demand figures.

Total demand is also segmented by market as follows:

- packaging
- consumer and institutional goods
- construction materials
- other markets such as electrical and electronic products, industrial goods, and transportation equipment.

To illustrate historical trends, total demand, total shipments, 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

Polyethylene: United States (FF55017) 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
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

Copyright & Licensing

Table of Contents

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PDF bookmarks are also available for navigation.

RESOURCES

The Freedonia Group

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Related Industry Studies

3415 Natural Polymers, May 2016	see study contents
3414 Wood-Plastic Composite & Plastic Lumber, May 2016	see study contents
3412 Coated Fabrics, May 2016	see study contents
3411 Wood & Competitive Decking, May 2016	see study contents
3386 Aseptic Packaging, March 2016	see study contents
3383 Pouches, February 2016	see study contents
3378 Disposable Medical Supplies, February 2016	see study contents
3356 Protective Packaging, December 2015	see study contents

Related Focus Reports

Plastics Processing Machinery: United States	see report contents
Polypropylene: United States	see report contents
Polystyrene: United States	see report contents
Polyvinyl Chloride: United States	see report contents
Pressure Sensitive Tapes: United States	see report contents
Specialty Films: United States	see report contents

Freedonia Custom Research — see capabilities

Trade Publications

ICIS Chemical Business	www.icis.com
IHS Chemical Week	www.chemweek.com
Injection World	www.injectionworld.com
Paint & Coatings Industry	www.pcimag.com
Plastics News	www.plasticsnews.com
Plastics Today	www.plasticstoday.com
The SPI Magazine	www.plasticsindustry.org/magazine

Agencies & Associations

American Chemistry Council	www.americanchemistry.com
National Association for PET Container Resources	www.napcor.com
PET Resin Association	www.petresin.org
Plastic Shipping Container Institute	www.pscionline.org
Plastics Pipe Institute	http://plasticpipe.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

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