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US Collection

Plastic Foams: United States

September 2018



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About This Report

Scope & Method

This report forecasts to 2022 US plastic foam demand in pounds. Total demand is segmented by resin in terms of:

- polyurethane (PU)
- polystyrene (PS)
- other resins such as high-density polyethylene (HDPE), polypropylene (PP), and vinyl

Total demand is also segmented by market as follows:

- packaging
- construction
- household products
- motor vehicles
- other markets such as industrial and heating, ventilation, and air conditioning (HVAC); transport equipment other than motor vehicles; and electrical and electronic products

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; the various segments are reported for 2007, 2012, and 2017.

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.

Freedonia 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.

Sources

Plastic Foams: United States (FF55013) represents the synthesis and analysis of data from various sources including:

- 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 5 | NAICS & SIC Codes Related to Plastic Foams

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
326140	Polystyrene Foam Product Mfg	3086	Plastics Foam Products
326150	Urethane and Other Foam Product (except Polystyrene) Mfg	5162	Plastics Materials and Basic Forms and Shapes
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers		

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Insulation Market in the US, December 2017

Protective Packaging Market in the US, November 2017

Windows & Doors Market Forecast in the US, September 2017

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Construction: United States

Insulation: United States

Motor Vehicles: United States

Polyethylene: United States

Polypropylene: United States

Polyurethane: United States

Polyvinyl Chloride: United States

Protective Packaging: United States

Silicones: United States

Sleep Products: United States

Thermoplastic Resins: United States

Windows & Doors: United States

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Plastics Technology

Plastics Today

Rubber & Plastics News

Agencies & Associations

American Chemistry Council – Plastics Division

EPS Industry Alliance

Extruded Polystyrene Foam Association

International Code Council

International Sleep Products Association

Occupational Safety and Health Administration

Polyurethane Foam Association

Polyurethane Manufacturers Association

About This Report

United States Census Bureau
United States Department of Energy
United States Environmental Protection Agency
United States International Trade Commission