



Freedonia Focus Reports
US Collection

Foamed Plastic Insulation: United States

March 2022



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About This Report

Scope

This report forecasts to 2025 US foamed plastic insulation demand in pounds. Total demand is segmented by resin in terms of:

- rigid polyurethane (PUR) and polyisocyanurate (PIR or ISO) board
- extruded polystyrene (XPS)
- expanded polystyrene (EPS)
- spray polyurethane foam (SPF)
- other foamed plastics such as polyolefins, elastomers, phenolics, and melamines

Total demand is also segmented by market as follows:

- commercial buildings
- residential buildings
- industrial and plant equipment
- HVAC and air distribution
- other markets such as appliances, nonbuilding/infrastructure construction, and transportation equipment

To illustrate historical trends, total demand is provided in annual series from 2010 to 2020; the various segments are reported at five-year intervals for 2010, 2015, and 2020.

Both thermal and acoustic insulation are included in the scope of this report.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Foamed Plastic Insulation: United States (FF60118) is based on *Insulation*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and 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 Foamed Plastic Insulation

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
326140	Polystyrene foam product manufacturing	3086	Plastics foam products
326150	Urethane & other foam product manufacturing, excluding polystyrene		

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

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.

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Resources

The Freedonia Group

Insulation

Freedonia Industry Studies

Ceilings

Global Acoustic Insulation

Global Ceilings

Global Drywall & Building Plaster

Global Foamed Plastic Insulation

Global Housing

Global HVAC Equipment

Global Industrial & OEM Insulation

Global Insulation

Global Major Household Appliances

Global Prefabricated Housing

Global Roofing

Global Siding (Cladding)

Global Windows & Doors

HVAC Equipment

Moulding & Trim

Prefabricated Housing

Roofing

Siding

Windows & Doors

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Commercial Building Construction: United States

Construction Chemicals: United States

Construction: United States

Housing: United States

Industrial & OEM Insulation: United States

Perlite & Vermiculite: United States

Plastic Foams: United States

Polystyrene: United States

Polyurethane: United States

Transport Equipment: United States

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Trade Publications

Global Insulation

Insulation Outlook

Remodeling Magazine

The Journal of Light Construction

Walls & Ceilings

Agencies & Associations

American Chemistry Council

National Association of Home Builders

National Insulation Association

North American Insulation Manufacturers Association

Polyisocyanurate Insulation Manufacturers Association

Polyurethane Foam Association

Spray Polyurethane Foam Alliance

Structural Insulated Panel Association

United Nations Comtrade

United States Census Bureau

United States Department of Energy

United States Environmental Protection Agency

United States Green Building Council

United States International Trade Commission