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Polyvinyl Chloride: United States

June 2018



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About This Report

Scope & Method

This report forecasts to 2022 US polyvinyl chloride (PVC) resin demand and shipments in pounds. Total demand is segmented by market in terms of:

- building and construction
- consumer and institutional
- packaging
- electrical and electronic
- transportation
- other markets such as furniture and furnishings; industrial goods and machinery; and adhesives, ink, and coatings

To illustrate historical trends, total demand, total shipments, the various segments, and trade are provided in annual series from 2007 to 2017.

Re-exports of PVC resin are excluded from demand and trade figures.

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

Polyvinyl Chloride: United States (FF55020) 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

About This Report

- 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 9 | Industry Codes Related to Polyvinyl Chloride Resin

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
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	3052	Rubber and Plastics Hose and Belting
326122	Plastics Pipe and Pipe Fitting Mfg	3081	Unsupported Plastics Film and Sheet
326220	Rubber and Plastics Hoses and Belting Mfg	3084	Plastics Pipe
335932	Noncurrent-Carrying Wiring Device Mfg	3089	Plastics Products, NEC
		3644	Noncurrent-Carrying Wiring Devices

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Global Plumbing Fixtures & Fittings, November 2017

Windows & Doors Market Forecast in the US, September 2017

Plumbing Fittings in the US, August 2017

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Barrier Films: United States

Bulk Packaging: United States

Emulsion Polymers: United States

Global Silicones

Packaging Films: United States

Polyethylene: United States

Polypropylene: United States

Silicones: United States

Stretch & Shrink Film: United States

Thermoplastic Resins: United States

World Emulsion Polymers

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Trade Publications

ICIS Chemical Business

IHS Chemical Week

PLASTICS Magazine

Plastics News

Plastics Today

Rubber & Plastics News

Agencies & Associations

American Chemistry Council

International Association of Plastics Distribution

Plastics Industry Association

Plastics Pipe Institute

Uni-Bell PVC Pipe Association

United States Census Bureau

United States International Trade Commission

The Vinyl Institute

Vinyl Siding Institute