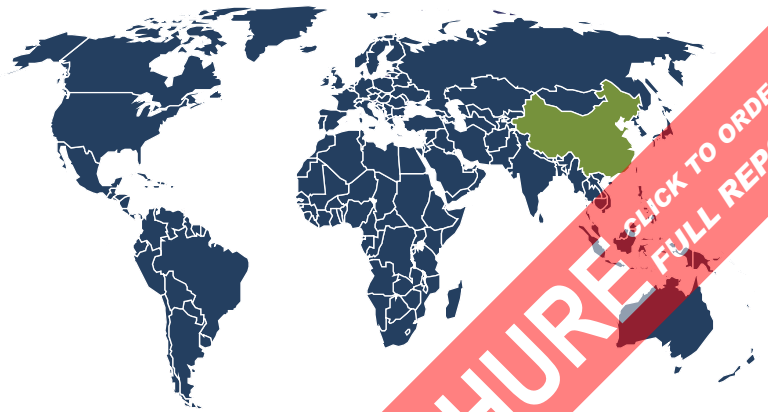




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# Plastic Pipe: China

December 2020



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# About This Report

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## Scope

This report forecasts to 2024 Chinese plastic pipe (塑料管道) demand in metric tons and meters. Total demand is segmented in metric tons by resin in terms of:

- polyvinyl chloride (PVC)
- polyethylene
- other resins such as acrylonitrile-butadiene-styrene (ABS), chlorinated PVC (CPVC), and polybutylene (PB)

Total demand in meters is also segmented by market as follows:

- construction
- energy
- other markets such as agriculture, industrial, mechanical, and structural

To illustrate historical trends, total demand is provided in annual series from 2009 to 2019; the various segments are reported at five-year intervals for 2009, 2014, and 2019.

Although distinctions are sometimes made between pipes and tubes, for the purposes of this report the terms “pipe”, “tube”, and “tubular products” are used interchangeably. Fittings are excluded from the scope of the 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

*Plastic Pipe: China* (FC60034) is based on [Global Plastic Pipe](#), 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

## About This Report

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 | HS Codes Related to Plastic Pipe

HS Code	Definition
3917.21	Tubes, pipes, and hoses, rigid, of polymers of ethylene
3917.22	Tubes, pipes, and hoses, rigid, of polymers of propylene
3917.23	Tubes, pipes, and hoses, rigid, of polymers of vinyl chloride
3917.29	Tubes, pipes, and hoses, rigid, of plastics nesoi
3917.31	Flexible tubes, pipes, and hoses, having a minimum burst pressure of 27.6 mpa
3917.33	Flexible, not reinforced, with fittings

Source: United Nations Statistics Division

## 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.

## About This Report

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

*Global Plastic Pipe*

### Freedonia Industry Studies

*Drain, Waste & Vent Pipe*

*Global Housing*

*Pipe Products & Markets*

### Freedonia Focus Reports

*Aluminum Pipe: United States*

*Construction Machinery: China*

*Copper Pipe: United States*

*Oil & Natural Gas Pipe: United States*

*Pipe: United States*

*Plastic Pipe: United States*

*Polyvinyl Chloride: United States*

*Potable Water Pipe: United States*

*Rubber Processing Chemicals: China*

*Steel Pipe: United States*

*Thermoplastic Resins: United States*

### Freedonia Custom Research

### Trade Publications

*Builder*

*Engineering News-Record*

*Oil & Gas Journal*

*Modern Plastics*

*Plastics News*

*Plumbing & Mechanical*

### Agencies & Associations

International Monetary Fund

Plastic Pipe and Fittings Association

Plastics Pipe Institute (a division of the Society of the Plastics Industry)

Organisation for Economic Co-operation and Development

Uni-Bell PVC Pipe Association

United Nations Comtrade

World Bank

World Customs Organization