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US Collection

Rubber: United States

October 2019



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About This Report

Scope

This report forecasts to 2023 US rubber demand in nominal and real (inflation-adjusted) terms and synthetic rubber shipments in nominal terms at the manufacturer level. Total demand in nominal terms is segmented by product in terms of:

- styrene-butadiene rubber (SBR)
- natural rubber
- polybutadiene rubber (BR)
- ethylene-propylene diene monomer (EPDM)
- polychloroprene (CR); isobutylene isoprene, or butyl, rubber (IIR); polyisoprene rubber (IR); and acrylonitrile-butadiene rubber (NBR)
- other synthetic rubbers such as acrylic and fluoroelastomers

To illustrate historical trends, total demand, total shipments, the various segments, and trade are provided in annual series from 2008 to 2018.

The scope of this report is defined as thermoset elastomers and excludes thermoplastic elastomers (e.g., thermoplastic polyurethanes) as well as silicone elastomers. Reclaimed rubber is also excluded. Rubber demand represents the raw elastomers, before the compounding stage. Re-exports of rubber are excluded from demand and trade figures.

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

Rubber: United States (FF50017) represents the synthesis and analysis of data from various 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 15 | NAICS & SIC Codes Related to Rubber

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
316210	Footwear Manufacturing	2822	Synthetic Rubber (Vulcanizable Elastomers)
325212	Synthetic Rubber Manufacturing	3011	Tires and Inner Tubes
326211	Tire Manufacturing (except Retreading)	3021	Rubber and Plastics Footwear
326212	Tire Retreading	3052	Rubber and Plastics Hose and Belting
326220	Rubber and Plastics Hoses and Belting Manufacturing	3061	Molded, Extruded, and Lathe-Cut Mechanical Rubber Goods
326291	Rubber Product Manufacturing for Mechanical Use	3069	Fabricated Rubber Products, NEC
326299	All Other Rubber Product Manufacturing	7534	Tire Retreading and Repair Shops

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

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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

Freedonia Industry Studies

Global Industrial Rubber Products

Global Rubber Conveyor Belts

Global Thermoplastic Elastomers

Liquid Silicone Rubber

World Rubber

Freedonia Focus Reports

Bicycles: United States

Footwear: United States

Global Industrial Rubber Products

Global Rubber Conveyor Belts

Global Tires

Hoses & Belts: United States

Industrial Rubber Products: Canada

Industrial Rubber Products: United Kingdom

Industrial Rubber Products: United States

Insulated Wire & Cable: United States

Membrane Separation Technologies: United States

Motor Vehicles: United States

Rubber Conveyor Belts: United States

Rubber Processing Chemicals: United States

Thermoplastic Resins: United States

Tires: Canada

Tires: United Kingdom

Tires: United States

Freedonia Custom Research

Trade Publications

Chemical & Engineering News

Modern Tire Dealer

Rubber & Plastics News

Rubber News

Rubber Statistical Bulletin

Rubber World Magazine

Scrap Tire News

Tire Business

Agencies & Associations

American Chemical Society – Rubber Division
Association for Rubber Products Manufacturers
Fluid Sealing Association
Forest Stewardship Council
Gasket Fabricators Association
International Institute of Synthetic Rubber Producers
International Rubber Study Group
Rubber Manufacturers Association
Tire Industry Association
United States Census Bureau
United States Department of Agriculture
United States Department of Labor
 Bureau of Labor Statistics
United States International Trade Commission