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US Collection

Liquid Silicone Rubber: United States

August 2019



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About This Report

Scope

This report forecasts to 2023 US liquid silicone rubber (LSR) demand in nominal US dollars at the manufacturer level. Total demand is segmented by market in terms of:

- automotive
- medical
- consumer and baby care
- electrical and electronic
- industrial and other markets

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

Excluded from demand values are:

- siloxanes used as raw materials for silicones
- finished molded LSR parts (except where specified)
- liquid injection molds and other molding equipment and peripherals

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

Liquid Silicone Rubber (FF50019) is based on *Liquid Rubber Silicones*, 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
- 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

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 4 | NAICS & SIC Codes Related to Liquid Silicone Rubber

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
325180	Other Basic Inorganic Chemical Mfg	2819	Industrial Inorganic Chemicals, NEC
325199	All Other Basic Organic Chemical Mfg	2821	Plastics Materials and Resins
325211	Plastics Material and Resin Mfg	2822	Synthetic Rubber
325212	Synthetic Rubber Mfg	2869	Industrial Organic Chemicals, NEC
325520	Adhesive Mfg	2891	Adhesives and Sealants

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.

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

Liquid Silicone Rubber

Freedonia Industry Studies

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Disposable Medical Supplies in the US

Global Adhesives & Sealants

Global Disposable Medical Supplies

Global Food Processing Machinery

Global Industrial Rubber Products Market

Global Thermoplastic Elastomers Market

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Chemical & Engineering News

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ICIS Chemical Business

LSR World

Plastics Machinery Magazine

Plastics News

Plastics Technology

Rubber & Plastics News

Rubber World

Agencies & Associations

American Chemistry Council

Occupational Safety and Health Administration

Plastics Industry Association

Silicones Environmental, Health and Safety Center

United States Census Bureau

United States Environmental Protection Agency

United States Food and Drug Administration

United States International Trade Commission