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US Collection

Abrasives: United States

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About This Report

Scope

This report forecasts to 2023 US abrasives demand, production, and raw material demand in nominal US dollars at the manufacturer level. Total demand is segmented by product in terms of:

- coated
- bonded
- loose grains and powders
- metallic

Total demand is also segmented by market as follows:

- transport equipment
- machinery
- fabricated metal
- other durable goods such as electrical and electronic equipment, ceramic products, and jewelry
- cleaning and maintenance
- other markets such as construction, cosmetics and toiletries, and food and chemicals manufacturing

Raw material demand is segmented by material as follows:

- manufactured minerals
- metallic materials
- natural minerals

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

Excluded from the scope of this report are abrasive-tipped cutting tools (e.g., drill bits, milling cutters, saw blades). Also excluded are fracking materials (silica sand) and all other products that use abrasive materials for nonabrasive applications.

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

Abrasives: United States (FF65025) is based on *Global Abrasives*, 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 11 | NAICS & SIC Codes Related to Abrasives

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
212399	All Other Nonmetallic Mineral Mining	1499	Miscellaneous Nonmetallic Mining
327910	Abrasive Product Manufacturing	3291	Abrasive Products
423840	Industrial Supplies Merchant Wholesalers	5085	Industrial Supplies

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.

About This Report

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

Global Abrasives

Freedonia Industry Studies

Abrasives

Global Industrial Fastener Market

Global Power Tools

Industrial & Institutional (I&I) Cleaning Chemicals

World Specialty Silicas

Freedonia Focus Reports

Fabricated Metal Products: United States

Industrial Fasteners: United States

Industrial Silica Sand: Canada

Industrial Silica Sand: United States

Machine Tools: United States

Power Tools: Canada

Power Tools: United Kingdom

Power Tools: United States

Silicon: United States

Freedonia Custom Research

Trade Publications

American Machinist

Cutting Tool Engineering

Fabricating & Metalworking

Finer Points

Industrial Minerals

Mining Journal

Agencies & Associations

American National Standards Institute

ASTM International

Coated Abrasives Fabricators Association

Industrial Diamond Association of America

International Organization for Standardization

Unified Abrasives Manufacturers' Association

United States Census Bureau

United States International Trade Commission