

Silica Sand Market Latest Report 2024 | Industry Size Worth US\$ 37.6 Billion by 2032

BROOKLYN, USA, December 4, 2023 /EINPresswire.com/ -- IMARC Group's report titled "Silica Sand Market Report by End-Use (Glass Industry, Foundry, Hydraulic Fracturing, Filtration, Abrasives, and Others), and Region 2024-2032". The global [silica sand market size reached US\\$ 24.2 Billion in 2023](#). Looking forward, IMARC Group expects the market to reach US\$ 37.6 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032.

Factors Affecting the Growth of the Silica Sand Industry:

Expanding Applications in Glassmaking:

The extensive use of silica sand in glassmaking represents one of the key factors driving the growth of the market across the globe. Silica sand is a primary component in the production of various types of glass, including container glass, flat glass, and fiberglass. The increasing demand for glass products in the construction, automotive, packaging, and consumer goods industries fuels the need for high-quality silica sand. The expansion of the construction sector, particularly in emerging economies, is leading to increased demand for glass for windows, facades, and architectural design, thereby propelling the silica sand market. In addition to this, the growing use of glass in solar panels and the automotive industry further amplifies this demand.

Rising Demand in Hydraulic Fracturing:

The use of silica sand in hydraulic fracturing, or fracking, for oil and natural gas extraction is another key factor contributing to the silica sand market growth. Silica sand is used as a proppant in the fracking process, where its physical properties, such as grain size, strength, and sphericity, make it effective in keeping the fractures open and facilitating the flow of oil and gas.



The expansion of shale gas and tight oil activities, particularly in North America, is leading to a significant increase in the demand for high-grade silica sand, which is suitable for use in hydraulic fracturing.

Technological Advancements and Industrial Growth:

The growth of the silica sand market is also influenced by technological advancements and industrial growth. Improvements in mining and processing technologies are making it possible to produce silica sand that meets specific industrial requirements more efficiently. The increasing use of silica sand in advanced manufacturing processes, such as 3D printing, and in the production of electronics, where high-purity silica is used in semiconductors and optical fibers, are also driving the market. In addition to this, the growing demand for silica sand in various industrial applications, such as foundry casting, water filtration, and abrasives, is in line with the overall industrial growth, which is further contributing to the expansion of the market.

Request to Get the Sample Report: <https://www.imarcgroup.com/silica-sand-manufacturing-plant/requestsample>

Silica Sand Market Report Segmentation:

By End-Use:

- Glass Industry
- Foundry
- Hydraulic Fracturing
- Filtration
- Abrasives
- Others

The glass industry represented the largest end-use segment in the silica sand market due to its essential role as a key ingredient in the manufacturing of various types of glass, where its purity, grain size, and other properties are crucial for quality glass production.

Regional Insights:

- China
- United States
- Italy
- Turkey
- Germany
- Australia
- Others

China's leading position in the silica sand market is attributed to its expansive and rapidly growing glass industry, coupled with significant industrial development that demands high volumes of silica sand for construction, manufacturing, and hydraulic fracturing.

Leading Companies Operating in the Silica Sand Market:

- Badger Mining Corporation
- Chongqing Changjiang River Moulding Material (Group) Co. Ltd.
- Covia Holdings LLC
- Euroquarz GmbH Euroquarz GmbH (Possehl Group)
- JFE Mineral & Alloy Company Ltd. (JFE Holdings Inc.)
- Manley Bros. of Indiana Inc.
- Mitsubishi Corporation
- PUM Group
- Quarzwerke GmbH
- Sibelco
- Tochu Corporation
- U.S. Silica

Global Silica Sand Market Trends:

The increasing emphasis on the production of high-purity silica sand to meet the stringent quality requirements of advanced applications like glassmaking, solar panels, and electronics manufacturing represents one of the key factors driving the growth of the silica sand market across the globe. This trend is driven by the growing technological sophistication in these industries which is influencing the market growth.

The market is witnessing a rise in demand for environmentally sustainable and responsible sand mining practices, in response to environmental concerns and regulatory pressures. This shift is leading to the development of more sustainable extraction and processing methods. In line with this, there's a growing focus on optimizing logistics and supply chain efficiency, as the cost-effective transportation of silica sand is crucial due to its high volume and weight, which is fueling its overall market availability and price.

Ask An Analyst: <https://www.imarcgroup.com/request?type=report&id=529&flag=C>

Key Highlights of the Report:

- Market Performance (2018-2023)
- Market Outlook (2024-2032)
- Market Trends
- Market Drivers and Success Factors
- Impact of COVID-19

- Value Chain Analysis
- Comprehensive mapping of the competitive landscape

If you require any specific information that is not covered currently within the scope of the report, we will provide the same as a part of the customization.

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