

North America Silica Sand Market Report by End Use (Hydraulic Fracturing, Glass Industry, Foundry, Filtration, Abrasives, and Others), and Country 2024-2032

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Abstracts

The North America silica sand market size reached US\$ 6.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 12.8 Billion by 2032, exhibiting a growth rate (CAGR) of 7.2% during 2024-2032.

The region currently represents the world's largest producer of silica sand. Silica sand is used in many commercial processes and products, thereby commonly classified based on its industrial application. The sand is evaluated for industrial usage based on its composition and physical properties such as granular size, shape, hardness, resistance to heat, etc. The chemical composition of the silica sand, including high silica content and non-reactive properties, is of paramount importance in the glass making industry, whereas grain angularity and hardness are important parameters for sandblasting. Apart from this, silica sand is a popular material used in construction, water filtration, sand casting, hydraulic fracturing, abrasive as well as in the concrete industry.

North America Silica Sand Market Trends:

The growing construction industry in North America has resulted in rising investments in high-end infrastructure development. The increasing demand for silica sand in manufacturing various building materials is primarily catalyzing the market growth. Moreover, the growing awareness towards various mechanical benefits of silica sand has propelled its usage in the production of fiberglass. Furthermore, the rising product demand for providing grain strength and refractoriness in glass-based automotive components, is also driving the market. Additionally, the introduction of advanced

nanotechnology in flat glass and solar control glazing in building glass has increased the usage of silica sand. Besides this, the rising adoption of glass-based solar panels and photovoltaic modules is further augmenting the market growth. Apart from this, the growing oil and gas production activities in North America has propelled the demand of silica sand in hydraulic fracturing. The increasing number of active oil rigs along with the wide presence of natural gas fields in the region is also driving the market. Moreover, the rising adoption of silica sand for high porosity, desired gravity, and acid solubility, in water treatment plants is further catalysing the demand.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the North America silica sand market report, along with forecasts at the regional and country level from 2024-2032. Our report has categorized the market based on end use.

Breakup by End Use:

Hydraulic Fracturing

Glass Industry

Foundry

Filtration

Abrasives

Others

Breakup by Country:

United States

Canada

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Badger Mining Corporation, Capital Sand Company, Inc., Covia Holdings Corporation, Eagle Materials, Inc., Hi-Crush, Inc., Liberty Materials, Inc., Manley Bros. of Indiana, Inc., Short Mountain Silica (Subsidiary of Thiele Kaolin Company), Signal Peak Silica, Source Energy Services, Superior Silica Sand LLC, and U.S. Silica Holdings, Inc.

Key Questions Answered in This Report:

How has the North America silica sand market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the North America silica sand market?

What is the breakup of the market based on the end use?

What is the breakup of the market based on the country?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the North America silica sand market and who are the key players?

What is the degree of competition in the industry?

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