

Asia Pacific Low-Grade Silica Sand Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The Asia Pacific low-grade silica sand market size reached 51.5 Million Metric Tons in 2022. Looking forward, IMARC Group expects the market to reach 62.6 Million Metric Tons by 2028, exhibiting a growth rate (CAGR) of 3.4% during 2023-2028.

Low-grade silica sand, also called ordinary silica sand, is primarily composed of quartz and other materials, such as feldspars, carbonates, clay minerals, iron oxides, etc. It contains less than 99% of SiO₂ and more than 0.01% of iron oxide. Low-grade silica sand finds diverse applications in glassmaking, water filtration, industrial casting, sandblasting, hydraulic fracturing, etc. This can be accredited to its numerous benefits pertaining to high granularity, better resistance against heat and chemical reactions, improved strength, enhanced durability, etc.

Asia Pacific Low-Grade Silica Sand Market Trends:

Asia Pacific is amongst the largest consumers of low-grade silica sand based on its rising utilization in the glass and foundry industries. Furthermore, the increasing demand for low-grade silica sand in water filtration, along with the growing establishment of sewage treatment plants and installation of water purification systems, is also augmenting the market growth in the region. Additionally, a significant rise in infrastructural development and the escalating usage of low-grade silica sand in manufacturing various construction materials, such as ceramics, stained glass, paints and coatings, etc., are further propelling the regional market. Apart from this, the expanding renewable energy sector has led to the increasing utilization of low-grade silica sand in glass-based photovoltaic modules, which is also catalyzing the product demand. Moreover, extensive R&D activities for the utilization of low-grade silica sand in lightweight glazing glass, nanotechnology in flat glass, solar control glazing for

building glass, etc., are positively influencing the market growth. Additionally, the expanding applications of low-grade silica sand in numerous shale gas exploration activities are expected to bolster the Asia Pacific silica sand market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the Asia Pacific low-grade silica sand market report, along with forecasts at the country and regional level from 2023-2028. Our report has categorized the market based on grade and end use.

Breakup by Grade:

- Below 200 ppm Fe
- 201-400 ppm Fe
- 401-600 ppm Fe
- Above 600 ppm Fe

Breakup by End Use:

- Foundry
- Glass
- Hydraulic Fracturing
- Filtration
- Chemicals
- Others

Breakup by Country:

- China
- India
- Malaysia
- South Korea
- Japan
- Others

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Hisagoya Co. Ltd., JFE MINERAL & Alloy Co. LTD., Mangal Minerals, PUM Group, Raghav Productivity Enhancers Limited, Rock Energy International, Tochu

Corporation and Toyoura Keiseki Kogyo Co. Ltd.

Key Questions Answered in This Report:

How has the Asia Pacific low-grade 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 Asia Pacific low-grade silica sand market?

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

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 Asia Pacific low-grade silica sand industry and who are the key players?

What is the degree of competition in the industry?

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