

Asia Pacific Low-Grade Silica Sand Market Report by Grade (Below 200 ppm Fe, 201-400 ppm Fe, 401-600 ppm Fe, Above 600 ppm Fe), End Use (Foundry, Glass, Hydraulic, Fracturing, Filtration, Chemicals, and Others), and Country 2024-2032

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Abstracts

The Asia Pacific low-grade silica sand market size reached 53.3 Million Metric Tons in 2023. Looking forward, IMARC Group expects the market to reach 69.9 Million Metric Tons by 2032, exhibiting a growth rate (CAGR) of 2.97% during 2024-2032.

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 2024-2032. 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

1. What was the size of the Asia Pacific low-grade silica sand market in 2023?
2. What is the expected growth rate of the Asia Pacific low-grade silica sand market during 2024-2032?
3. What are the key factors driving the Asia Pacific low-grade silica sand market?
4. What has been the impact of COVID-19 on the Asia Pacific low-grade silica sand market?
5. What is the breakup of the Asia Pacific low-grade silica sand market based on the grade?

6. What is the breakup of the Asia Pacific low-grade silica sand market based on the end use?
7. What are the key regions in the Asia Pacific low-grade silica sand market?
8. Who are the key players/companies in the Asia Pacific low-grade silica sand market?

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