

Global High Purity Quartz Market

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Abstracts

Summary:

The global market for high-purity quartz is expected to grow from \$1.1 billion in 2025 and is projected to reach \$1.4 billion by the end of 2030, at a compound annual growth rate (CAGR) of 4.5% during the forecast period of 2025 to 2030.

The global high-purity quartz (HPQ) market is driven by demand from the semiconductor, telecom and energy industries, along with the expanding use of HPQ with exceptional properties in advanced applications. Ultra-high-purity/grade III is the fastest-growing HPQ due to its lowest impurities and high concentration of SiO₂, which makes it ideal for many industrial applications.

Technological Advances and Applications

Technological advances in HPQ have revolutionized its purification and expanded its industrial applications, particularly in semiconductors, solar photovoltaics (PV) and optical communications. Recent breakthroughs have focused on deep purification and targeted impurity removal, allowing the production of quartz with silicon dioxide purity levels reaching 99.995% and above, essential for hightech fields like semiconductor wafers and PV cells.

Report Scope

This report provides an extensive look at the high-purity quartz (HPQ) market, offering insights into recent trends, developments, and opportunities for manufacturing HPQ. The report segments the market by type, product form, and end-user applications, as well as the regions of North America, Europe, Asia-Pacific, South America, and the Middle East and Africa.

Type: Ultra-high purity/grade III, high-purity/grade II, medium-purity/grade I, standard-purity/HPQ sand.

Product form: Powder and granules/lumps

End use: Semiconductor, solar energy, telecommunications, and electrical and electronics industries and others.

BCC Research analyzed the present and future status of the high-purity quartz market in order to forecast the market's growth from 2025 to 2030. This report also discusses the current market dynamics, strategies, and trends driving the demand for the products; the key manufacturers of the products; the competitive and regulatory landscape; ESG trends; and profiles of major global manufacturers. The high-purity quartz market was analyzed from regional perspectives to gain an understanding of the industry's growth potential.

Report Includes

43 data tables and 42 additional tables

An overview of the global market for high-purity quartz

Analyses of global market trends, featuring revenue data for 2024, estimated figures for 2025, forecasts for 2029 and projected CAGRs through 2030

Evaluation of the market's size and revenue growth prospects specific to the industry, accompanied by a market share analysis based on type/grade, form, end user and region

Discussion of evolving technologies, the current and future market potential, R&D activities, growth strategies, regulatory framework and reimbursement scenarios, and ESG trends of the market

Identification of companies that are best positioned to meet this demand due to their proprietary technologies, mergers and acquisitions, joint ventures and strategic alliances

Descriptive profiles of the leading companies, including Sibelco, The Quartz

Corp., Jiangsu Pacific Quartz Co. Ltd., Imerys, Russian Quartz LLC

Companies Mentioned

AMERICAN ELEMENTS
AUSTRALIAN SILICA QUARTZ GROUP LTD.
CAPLINQ CORP.
COVIA HOLDINGS LLC
DONGHAI SHIHU QUARTZ CO. LTD.
IMERYS
JIANGSU PACIFIC QUARTZ CO. LTD.
MOMENTIVE TECHNOLOGIES
PAL QUARTZ
RUSSIAN QUARTZ LLC
SIBELCO
SILICAONE
THE QUARTZ CORP
ULTRA HPQ
VYTAS

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CAPLINQ CORP.
COVIA HOLDINGS LLC
DONGHAI SHIHU QUARTZ CO. LTD.

IMERYS
JIANGSU PACIFIC QUARTZ CO. LTD.
MOMENTIVE TECHNOLOGIES
PAL QUARTZ
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