

# Global Silicon Carbide Fiber Industry Report 2016

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## Abstracts

This report provides detailed analysis of worldwide markets for Silicon Carbide Fiber from 2011-2016, and provides extensive market forecasts (2016-2021) by region/country and subsectors. It covers the key technological and market trends in the Silicon Carbide Fiber market and further lays out an analysis of the factors influencing the supply/demand for Silicon Carbide Fiber, and the opportunities/challenges faced by industry participants. It also acts as an essential tool to companies active across the value chain and to the new entrants by enabling them to capitalize the opportunities and develop business strategies.

Silicon carbide fibers are extremely strong, oxidation-resistant fibers for high-temperature applications available in both alpha- and beta-SiC compositions. Silicon carbide fiber is used to provide mechanical strength at high temperatures to fibrous products, such as high temperature insulation, belting, gaskets, or curtains, or as reinforcements in plastic, ceramic, or metal matrices of high performance composite materials. Silicon carbide reinforced titanium (TMC), aluminum (MMC) and ceramic composites (CMC) are high in strength and stiffness, lightweight, and maintain their properties at high temperatures. To provide mechanical strength to these products or materials, the silicon carbide has relatively fine grain sizes and low density, one third as compared to steel. Silicon carbide is also used in advanced nuclear fuel elements to provide mechanical stability and higher thermal conductivity to the oxide based fuel. The silicon carbide can also function as a diffusion barrier to the release of fission products.

GCC's report, Global Silicon Carbide Fiber Industry Report 2016, has been prepared based on the synthesis, analysis, and interpretation of information about the global Silicon Carbide Fiber market collected from specialized sources. The report covers key technological developments in the recent times and profiles leading players in the market and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of key industry players.

The major players in the global Silicon Carbide Fiber market are Volzhsky Abrasive Works, Washington Mills, Saint-Gobain, ESK-SIC, Gansu Jiangang, Lanzhou Heqiao, Kuitun Longhai, Pingluo Binhe.

The report provides separate comprehensive analytics for the North America, Europe, Asia-Pacific, Middle East and Africa and Rest of World. In this sector, global competitive landscape and supply/demand pattern of Silicon Carbide Fiber industry has been provided.

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