

Global Silicon Carbide (SiC) Market Growth 2025-2031

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Abstracts

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The global Silicon Carbide (SiC) market size is predicted to grow from US\$ 1697 million in 2025 to US\$ 2027 million in 2031; it is expected to grow at a CAGR of 3.0% from 2025 to 2031.

Silicon carbide, occurring in nature as the extremely rare mineral moissanite, is a compound of silicon and carbon with chemical formula SiC.

Silicon carbide has the following properties and these properties make silicon carbide an outstanding abrasive and ceramic material to be used under extreme operating conditions.

Global Silicon Carbide (SiC) key players include Ningxia Tianjing, Lanzhou Heqiao, Cumi Murugappa, Washington Mills, etc. Global top four manufacturers hold a share about 20%.

Asia-Pacific is the largest market, with a share over 55%, followed by Europe, and North America, both have a share about 40 percent.

In terms of product, Black SiC is the largest segment, with a share over 90%. And in terms of application, the largest application is Metallurgical Industrial, followed by Refractory Industrial, Abrasive Industrial, Ceramic Industrial, etc.

LP Information, Inc. (LPI) ' newest research report, the "Silicon Carbide (SiC) Industry Forecast" looks at past sales and reviews total world Silicon Carbide (SiC) sales in 2024, providing a comprehensive analysis by region and market sector of projected Silicon Carbide (SiC) sales for 2025 through 2031. With Silicon Carbide (SiC) sales

broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Silicon Carbide (SiC) industry.

This Insight Report provides a comprehensive analysis of the global Silicon Carbide (SiC) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Silicon Carbide (SiC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Silicon Carbide (SiC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Silicon Carbide (SiC) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Silicon Carbide (SiC).

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon Carbide (SiC) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Black SiC

Green SiC

Segmentation by Application:

Metallurgical Industry

Refractory Industry

Abrasive Industry

Ceramic Industry

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Fiven

Ningxia Tianjing

Lanzhou Heqiao

Tianzhu Yutong

Cumi Murugappa

Elsid S.A

Washington Mills

ESD-SIC

Erdos

Ningxia Jinjing

Elmet

Snam Abrasives

ESK-SIC

Navarro

Pacific Rundum

Zaporozhsky Abrasivny Combinat

Yakushima Denko

Yicheng New Energy

Xinjiang Longhai

Sublime

Key Questions Addressed in this Report

What is the 10-year outlook for the global Silicon Carbide (SiC) market?

What factors are driving Silicon Carbide (SiC) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Silicon Carbide (SiC) market opportunities vary by end market size?

How does Silicon Carbide (SiC) break out by Type, by Application?

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