

Global Silicon Carbide (SiC) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Silicon Carbide (SiC) market size is expected to reach \$ 2222 million by 2032, rising at a market growth of 2.8% CAGR during the forecast period (2026-2032).

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.

This report studies the global Silicon Carbide (SiC) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbide (SiC) and provides market size (US\$ million) and Year-over-Year (YoY)

Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Silicon Carbide (SiC) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbide (SiC) total production and demand, 2021-2032, (K MT)

Global Silicon Carbide (SiC) total production value, 2021-2032, (USD Million)

Global Silicon Carbide (SiC) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Silicon Carbide (SiC) consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Silicon Carbide (SiC) domestic production, consumption, key domestic manufacturers and share

Global Silicon Carbide (SiC) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Silicon Carbide (SiC) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Silicon Carbide (SiC) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Silicon Carbide (SiC) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fiven, Ningxia Tianjing, Lanzhou Heqiao, Tianzhu Yutong, Cumi Murugappa, Elsid S.A, Washington Mills, ESD-SiC, Erdos, Ningxia Jinjing, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Silicon Carbide (SiC) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (US\$/MT) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Silicon Carbide (SiC) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Silicon Carbide (SiC) Market, Segmentation by Type:

Black SiC

Green SiC

Global Silicon Carbide (SiC) Market, Segmentation by Application:

Metallurgical Industry

Refractory Industry

Abrasive Industry

Ceramic Industry

Others

Companies Profiled:

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 Answered:

1. How big is the global Silicon Carbide (SiC) market?
2. What is the demand of the global Silicon Carbide (SiC) market?
3. What is the year over year growth of the global Silicon Carbide (SiC) market?
4. What is the production and production value of the global Silicon Carbide (SiC) market?
5. Who are the key producers in the global Silicon Carbide (SiC) market?
6. What are the growth factors driving the market demand?

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