



Silicon Carbide (SiC) Industry Research Report 2026

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Description

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.

Report Scope

This report quantifies the global Silicon Carbide (SiC) market in revenue (US\$ million) and, where applicable, sales volume (K t), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/K t) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Silicon Carbide (SiC).

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Silicon Carbide (SiC) Market by Company

Saint-Gobain

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

Silicon Carbide (SiC) Segment by Type

Black SiC
Green SiC

Silicon Carbide (SiC) Segment by Application

Metallurgical Industrial
Refractory Industrial
Abrasive Industrial
Ceramic Industrial
Others

Silicon Carbide (SiC) Segment by Region

North America
United States
Canada
Mexico
Europe
Germany
France
U.K.
Italy
Russia
Spain
Netherlands
Switzerland
Sweden
Poland
Asia-Pacific
China
Japan
South Korea

India
Australia
Taiwan
Southeast Asia
South America
Brazil
Argentina
Chile
Colombia
Middle East & Africa
Egypt
South Africa
Israel
Türkiye
GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Silicon Carbide (SiC) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Silicon Carbide (SiC) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Silicon Carbide (SiC).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Silicon Carbide (SiC) manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Silicon Carbide (SiC) by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Silicon Carbide (SiC) in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Silicon Carbide (SiC) by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Black SiC
 - 2.2.3 Green SiC
- 2.3 Silicon Carbide (SiC) by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Metallurgical Industrial
 - 2.3.3 Refractory Industrial
 - 2.3.4 Abrasive Industrial
 - 2.3.5 Ceramic Industrial
 - 2.3.6 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Silicon Carbide (SiC) Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Silicon Carbide (SiC) Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Silicon Carbide (SiC) Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Silicon Carbide (SiC) Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Silicon Carbide (SiC) Production by Manufacturers (2021-2026)
- 3.2 Global Silicon Carbide (SiC) Production Value by Manufacturers (2021-2026)
- 3.3 Global Silicon Carbide (SiC) Average Price by Manufacturers (2021-2026)
- 3.4 Global Silicon Carbide (SiC) Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Silicon Carbide (SiC) Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Silicon Carbide (SiC) Manufacturers, Product Type & Application
- 3.7 Global Silicon Carbide (SiC) Manufacturers Established Date
- 3.8 Global Silicon Carbide (SiC) Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 Saint-Gobain
 - 4.1.1 Saint-Gobain Silicon Carbide (SiC) Company Information
 - 4.1.2 Saint-Gobain Silicon Carbide (SiC) Business Overview
 - 4.1.3 Saint-Gobain Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)
 - 4.1.4 Saint-Gobain Product Portfolio
 - 4.1.5 Saint-Gobain Recent Developments

4.2 Ningxia Tianjing

4.2.1 Ningxia Tianjing Silicon Carbide (SiC) Company Information

4.2.2 Ningxia Tianjing Silicon Carbide (SiC) Business Overview

4.2.3 Ningxia Tianjing Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.2.4 Ningxia Tianjing Product Portfolio

4.2.5 Ningxia Tianjing Recent Developments

4.3 Lanzhou Heqiao

4.3.1 Lanzhou Heqiao Silicon Carbide (SiC) Company Information

4.3.2 Lanzhou Heqiao Silicon Carbide (SiC) Business Overview

4.3.3 Lanzhou Heqiao Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.3.4 Lanzhou Heqiao Product Portfolio

4.3.5 Lanzhou Heqiao Recent Developments

4.4 Tianzhu Yutong

4.4.1 Tianzhu Yutong Silicon Carbide (SiC) Company Information

4.4.2 Tianzhu Yutong Silicon Carbide (SiC) Business Overview

4.4.3 Tianzhu Yutong Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.4.4 Tianzhu Yutong Product Portfolio

4.4.5 Tianzhu Yutong Recent Developments

4.5 Cumi Murugappa

4.5.1 Cumi Murugappa Silicon Carbide (SiC) Company Information

4.5.2 Cumi Murugappa Silicon Carbide (SiC) Business Overview

4.5.3 Cumi Murugappa Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.5.4 Cumi Murugappa Product Portfolio

4.5.5 Cumi Murugappa Recent Developments

4.6 Elsid S.A

4.6.1 Elsid S.A Silicon Carbide (SiC) Company Information

4.6.2 Elsid S.A Silicon Carbide (SiC) Business Overview

4.6.3 Elsid S.A Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.6.4 Elsid S.A Product Portfolio

4.6.5 Elsid S.A Recent Developments

4.7 Washington Mills

4.7.1 Washington Mills Silicon Carbide (SiC) Company Information

4.7.2 Washington Mills Silicon Carbide (SiC) Business Overview

4.7.3 Washington Mills Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.7.4 Washington Mills Product Portfolio

4.7.5 Washington Mills Recent Developments

4.8 ESD-SiC

4.8.1 ESD-SiC Silicon Carbide (SiC) Company Information

4.8.2 ESD-SiC Silicon Carbide (SiC) Business Overview

4.8.3 ESD-SiC Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.8.4 ESD-SiC Product Portfolio

4.8.5 ESD-SiC Recent Developments

4.9 Erdos

4.9.1 Erdos Silicon Carbide (SiC) Company Information

4.9.2 Erdos Silicon Carbide (SiC) Business Overview

4.9.3 Erdos Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.9.4 Erdos Product Portfolio

4.9.5 Erdos Recent Developments

4.10 Ningxia Jinjing

4.10.1 Ningxia Jinjing Silicon Carbide (SiC) Company Information

4.10.2 Ningxia Jinjing Silicon Carbide (SiC) Business Overview

4.10.3 Ningxia Jinjing Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.10.4 Ningxia Jinjing Product Portfolio

4.10.5 Ningxia Jinjing Recent Developments

4.11 Elmet

4.11.1 Elmet Silicon Carbide (SiC) Company Information

4.11.2 Elmet Silicon Carbide (SiC) Business Overview

4.11.3 Elmet Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.11.4 Elmet Product Portfolio

4.11.5 Elmet Recent Developments

4.12 Snam Abrasives

4.12.1 Snam Abrasives Silicon Carbide (SiC) Company Information

4.12.2 Snam Abrasives Silicon Carbide (SiC) Business Overview

4.12.3 Snam Abrasives Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.12.4 Snam Abrasives Product Portfolio

4.12.5 Snam Abrasives Recent Developments

4.13 ESK-SiC

4.13.1 ESK-SiC Silicon Carbide (SiC) Company Information

4.13.2 ESK-SiC Silicon Carbide (SiC) Business Overview

4.13.3 ESK-SiC Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.13.4 ESK-SiC Product Portfolio

4.13.5 ESK-SiC Recent Developments

4.14 Navarro

4.14.1 Navarro Silicon Carbide (SiC) Company Information

4.14.2 Navarro Silicon Carbide (SiC) Business Overview

4.14.3 Navarro Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.14.4 Navarro Product Portfolio

4.14.5 Navarro Recent Developments

4.15 Pacific Rundum

4.15.1 Pacific Rundum Silicon Carbide (SiC) Company Information

4.15.2 Pacific Rundum Silicon Carbide (SiC) Business Overview

4.15.3 Pacific Rundum Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.15.4 Pacific Rundum Product Portfolio

4.15.5 Pacific Rundum Recent Developments

4.16 Zaporozhsky Abrasivny Combinat

4.16.1 Zaporozhsky Abrasivny Combinat Silicon Carbide (SiC) Company Information

4.16.2 Zaporozhsky Abrasivny Combinat Silicon Carbide (SiC) Business Overview

4.16.3 Zaporozhsky Abrasivny Combinat Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.16.4 Zaporozhsky Abrasivny Combinat Product Portfolio

4.16.5 Zaporozhsky Abrasivny Combinat Recent Developments

4.17 Yakushima Denko

4.17.1 Yakushima Denko Silicon Carbide (SiC) Company Information

4.17.2 Yakushima Denko Silicon Carbide (SiC) Business Overview

4.17.3 Yakushima Denko Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.17.4 Yakushima Denko Product Portfolio

4.17.5 Yakushima Denko Recent Developments

4.18 Yicheng New Energy

4.18.1 Yicheng New Energy Silicon Carbide (SiC) Company Information

4.18.2 Yicheng New Energy Silicon Carbide (SiC) Business Overview

4.18.3 Yicheng New Energy Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.18.4 Yicheng New Energy Product Portfolio

4.18.5 Yicheng New Energy Recent Developments

4.19 Xinjiang Longhai

4.19.1 Xinjiang Longhai Silicon Carbide (SiC) Company Information

4.19.2 Xinjiang Longhai Silicon Carbide (SiC) Business Overview

4.19.3 Xinjiang Longhai Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.19.4 Xinjiang Longhai Product Portfolio

4.19.5 Xinjiang Longhai Recent Developments

4.20 Sublime

4.20.1 Sublime Silicon Carbide (SiC) Company Information

4.20.2 Sublime Silicon Carbide (SiC) Business Overview

4.20.3 Sublime Silicon Carbide (SiC) Production Capacity, Value and Gross Margin (2021-2026)

4.20.4 Sublime Product Portfolio

4.20.5 Sublime Recent Developments

5 Global Silicon Carbide (SiC) Production by Region

5.1 Global Silicon Carbide (SiC) Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.2 Global Silicon Carbide (SiC) Production by Region: 2021-2032

5.2.1 Global Silicon Carbide (SiC) Production by Region: 2021-2026

5.2.2 Global Silicon Carbide (SiC) Production Forecast by Region (2027-2032)

5.3 Global Silicon Carbide (SiC) Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.4 Global Silicon Carbide (SiC) Production Value by Region: 2021-2032

5.4.1 Global Silicon Carbide (SiC) Production Value by Region: 2021-2026

5.4.2 Global Silicon Carbide (SiC) Production Value Forecast by Region (2027-2032)

5.5 Global Silicon Carbide (SiC) Market Price Analysis by Region (2021-2026)

5.6 Global Silicon Carbide (SiC) Production and Value, YOY Growth

5.6.1 North America Silicon Carbide (SiC) Production Value Estimates and Forecasts (2021-2032)

5.6.2 Europe Silicon Carbide (SiC) Production Value Estimates and Forecasts (2021-2032)

5.6.3 China Silicon Carbide (SiC) Production Value Estimates and Forecasts (2021-2032)

5.6.4 Japan Silicon Carbide (SiC) Production Value Estimates and Forecasts (2021-2032)

6 Global Silicon Carbide (SiC) Consumption by Region

6.1 Global Silicon Carbide (SiC) Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

6.2 Global Silicon Carbide (SiC) Consumption by Region (2021-2032)

6.2.1 Global Silicon Carbide (SiC) Consumption by Region: 2021-2026

6.2.2 Global Silicon Carbide (SiC) Forecasted Consumption by Region (2027-2032)

6.3 North America

6.3.1 North America Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America Silicon Carbide (SiC) Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe Silicon Carbide (SiC) Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific Silicon Carbide (SiC) Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa Silicon Carbide (SiC) Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

7 Segment by Type

7.1 Global Silicon Carbide (SiC) Production by Type (2021-2032)

7.1.1 Global Silicon Carbide (SiC) Production by Type (2021-2032) & (K t)

7.1.2 Global Silicon Carbide (SiC) Production Market Share by Type (2021-2032)

7.2 Global Silicon Carbide (SiC) Production Value by Type (2021-2032)

7.2.1 Global Silicon Carbide (SiC) Production Value by Type (2021-2032) & (US\$ Million)

7.2.2 Global Silicon Carbide (SiC) Production Value Market Share by Type (2021-2032)

7.3 Global Silicon Carbide (SiC) Price by Type (2021-2032)

8 Segment by Application

8.1 Global Silicon Carbide (SiC) Production by Application (2021-2032)

8.1.1 Global Silicon Carbide (SiC) Production by Application (2021-2032) & (K t)

8.1.2 Global Silicon Carbide (SiC) Production Market Share by Application (2021-2032)

8.2 Global Silicon Carbide (SiC) Production Value by Application (2021-2032)

8.2.1 Global Silicon Carbide (SiC) Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global Silicon Carbide (SiC) Production Value Market Share by Application (2021-2032)

8.3 Global Silicon Carbide (SiC) Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 Silicon Carbide (SiC) Value Chain Analysis

9.1.1 Silicon Carbide (SiC) Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Silicon Carbide (SiC) Production Mode & Process

9.2 Silicon Carbide (SiC) Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Silicon Carbide (SiC) Distributors

9.2.3 Silicon Carbide (SiC) Customers

10 Global Silicon Carbide (SiC) Analyzing Market Dynamics

10.1 Silicon Carbide (SiC) Industry Trends

10.2 Silicon Carbide (SiC) Industry Drivers

10.3 Silicon Carbide (SiC) Industry Opportunities and Challenges

10.4 Silicon Carbide (SiC) Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Silicon Carbide (SiC) Production by Manufacturers (K t) & (2021-2026)
- Table 6: Global Silicon Carbide (SiC) Production Market Share by Manufacturers
- Table 7: Global Silicon Carbide (SiC) Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Silicon Carbide (SiC) Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Silicon Carbide (SiC) Average Price (US\$/t) of Manufacturers (2021-2026)
- Table 10: Global Silicon Carbide (SiC) Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Silicon Carbide (SiC) Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Silicon Carbide (SiC) Manufacturers, Product Type & Application
- Table 13: Global Silicon Carbide (SiC) Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Silicon Carbide (SiC) by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Saint-Gobain Company Information
- Table 18: Saint-Gobain Business Overview
- Table 19: Saint-Gobain Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 20: Saint-Gobain Silicon Carbide (SiC) Product Portfolio
- Table 21: Saint-Gobain Recent Development
- Table 22: Ningxia Tianjing Company Information
- Table 23: Ningxia Tianjing Business Overview
- Table 24: Ningxia Tianjing Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 25: Ningxia Tianjing Silicon Carbide (SiC) Product Portfolio
- Table 26: Ningxia Tianjing Recent Development
- Table 27: Lanzhou Heqiao Company Information
- Table 28: Lanzhou Heqiao Business Overview
- Table 29: Lanzhou Heqiao Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 30: Lanzhou Heqiao Silicon Carbide (SiC) Product Portfolio
- Table 31: Lanzhou Heqiao Recent Development
- Table 32: Tianzhu Yutong Company Information
- Table 33: Tianzhu Yutong Business Overview
- Table 34: Tianzhu Yutong Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 35: Tianzhu Yutong Silicon Carbide (SiC) Product Portfolio
- Table 36: Tianzhu Yutong Recent Development
- Table 37: Cumi Murugappa Company Information
- Table 38: Cumi Murugappa Business Overview
- Table 39: Cumi Murugappa Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 40: Cumi Murugappa Silicon Carbide (SiC) Product Portfolio
- Table 41: Cumi Murugappa Recent Development
- Table 42: Elsid S.A Company Information
- Table 43: Elsid S.A Business Overview
- Table 44: Elsid S.A Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 45: Elsid S.A Silicon Carbide (SiC) Product Portfolio
- Table 46: Elsid S.A Recent Development
- Table 47: Washington Mills Company Information
- Table 48: Washington Mills Business Overview
- Table 49: Washington Mills Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-

2026)

- Table 50: Washington Mills Silicon Carbide (SIC) Product Portfolio
- Table 51: Washington Mills Recent Development
- Table 52: ESD-SIC Company Information
- Table 53: ESD-SIC Business Overview
- Table 54: ESD-SIC Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 55: ESD-SIC Silicon Carbide (SIC) Product Portfolio
- Table 56: ESD-SIC Recent Development
- Table 57: Erdos Company Information
- Table 58: Erdos Business Overview
- Table 59: Erdos Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 60: Erdos Silicon Carbide (SIC) Product Portfolio
- Table 61: Erdos Recent Development
- Table 62: Ningxia Jinjing Company Information
- Table 63: Ningxia Jinjing Business Overview
- Table 64: Ningxia Jinjing Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 65: Ningxia Jinjing Silicon Carbide (SIC) Product Portfolio
- Table 66: Ningxia Jinjing Recent Development
- Table 67: Elmet Company Information
- Table 68: Elmet Business Overview
- Table 69: Elmet Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 70: Elmet Silicon Carbide (SIC) Product Portfolio
- Table 71: Elmet Recent Development
- Table 72: Snam Abrasives Company Information
- Table 73: Snam Abrasives Business Overview
- Table 74: Snam Abrasives Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 75: Snam Abrasives Silicon Carbide (SIC) Product Portfolio
- Table 76: Snam Abrasives Recent Development
- Table 77: ESK-SIC Company Information
- Table 78: ESK-SIC Business Overview
- Table 79: ESK-SIC Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 80: ESK-SIC Silicon Carbide (SIC) Product Portfolio
- Table 81: ESK-SIC Recent Development
- Table 82: Navarro Company Information
- Table 83: Navarro Business Overview
- Table 84: Navarro Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 85: Navarro Silicon Carbide (SIC) Product Portfolio
- Table 86: Navarro Recent Development
- Table 87: Pacific Rundum Company Information
- Table 88: Pacific Rundum Business Overview
- Table 89: Pacific Rundum Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 90: Pacific Rundum Silicon Carbide (SIC) Product Portfolio
- Table 91: Pacific Rundum Recent Development
- Table 92: Zaporozhsky Abrasivny Combinat Company Information
- Table 93: Zaporozhsky Abrasivny Combinat Business Overview
- Table 94: Zaporozhsky Abrasivny Combinat Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 95: Zaporozhsky Abrasivny Combinat Silicon Carbide (SIC) Product Portfolio
- Table 96: Zaporozhsky Abrasivny Combinat Recent Development
- Table 97: Yakushima Denko Company Information
- Table 98: Yakushima Denko Business Overview
- Table 99: Yakushima Denko Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 100: Yakushima Denko Silicon Carbide (SIC) Product Portfolio
- Table 101: Yakushima Denko Recent Development
- Table 102: Yicheng New Energy Company Information
- Table 103: Yicheng New Energy Business Overview
- Table 104: Yicheng New Energy Silicon Carbide (SIC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 105: Yicheng New Energy Silicon Carbide (SIC) Product Portfolio
- Table 106: Yicheng New Energy Recent Development
- Table 107: Xinjiang Longhai Company Information

- Table 108: Xinjiang Longhai Business Overview
- Table 109: Xinjiang Longhai Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 110: Xinjiang Longhai Silicon Carbide (SiC) Product Portfolio
- Table 111: Xinjiang Longhai Recent Development
- Table 112: Sublime Company Information
- Table 113: Sublime Business Overview
- Table 114: Sublime Silicon Carbide (SiC) Production (K t), Value (US\$ Million), Price (US\$/t) and Gross Margin (2021-2026)
- Table 115: Sublime Silicon Carbide (SiC) Product Portfolio
- Table 116: Sublime Recent Development
- Table 117: Global Silicon Carbide (SiC) Production Comparison by Region: 2021 VS 2025 VS 2032 (K t)
- Table 118: Global Silicon Carbide (SiC) Production by Region (2021-2026) & (K t)
- Table 119: Global Silicon Carbide (SiC) Production Market Share by Region (2021-2026)
- Table 120: Global Silicon Carbide (SiC) Production Forecast by Region (2027-2032) & (K t)
- Table 121: Global Silicon Carbide (SiC) Production Market Share Forecast by Region (2027-2032)
- Table 122: Global Silicon Carbide (SiC) Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 123: Global Silicon Carbide (SiC) Production Value by Region (2021-2026) & (US\$ Million)
- Table 124: Global Silicon Carbide (SiC) Production Value Market Share by Region (2021-2026)
- Table 125: Global Silicon Carbide (SiC) Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 126: Global Silicon Carbide (SiC) Market Average Price (US\$/t) by Region (2021-2026)
- Table 127: Global Silicon Carbide (SiC) Market Average Price (US\$/t) by Region (2027-2032)
- Table 128: Global Silicon Carbide (SiC) Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K t)
- Table 129: Global Silicon Carbide (SiC) Consumption by Region (2021-2026) & (K t)
- Table 130: Global Silicon Carbide (SiC) Consumption Market Share by Region (2021-2026)
- Table 131: Global Silicon Carbide (SiC) Forecasted Consumption by Region (2027-2032) & (K t)
- Table 132: Global Silicon Carbide (SiC) Forecasted Consumption Market Share by Region (2027-2032)
- Table 133: North America Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K t)
- Table 134: North America Silicon Carbide (SiC) Consumption by Country (2021-2026) & (K t)
- Table 135: North America Silicon Carbide (SiC) Consumption by Country (2027-2032) & (K t)
- Table 136: Europe Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K t)
- Table 137: Europe Silicon Carbide (SiC) Consumption by Country (2021-2026) & (K t)
- Table 138: Europe Silicon Carbide (SiC) Consumption by Country (2027-2032) & (K t)
- Table 139: Asia Pacific Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K t)
- Table 140: Asia Pacific Silicon Carbide (SiC) Consumption by Country (2021-2026) & (K t)
- Table 141: Asia Pacific Silicon Carbide (SiC) Consumption by Country (2027-2032) & (K t)
- Table 142: South America, Middle East & Africa Silicon Carbide (SiC) Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K t)
- Table 143: South America, Middle East & Africa Silicon Carbide (SiC) Consumption by Country (2021-2026) & (K t)
- Table 144: South America, Middle East & Africa Silicon Carbide (SiC) Consumption by Country (2027-2032) & (K t)
- Table 145: Global Silicon Carbide (SiC) Production by Type (2021-2026) & (K t)
- Table 146: Global Silicon Carbide (SiC) Production by Type (2027-2032) & (K t)
- Table 147: Global Silicon Carbide (SiC) Production Market Share by Type (2021-2026)
- Table 148: Global Silicon Carbide (SiC) Production Market Share by Type (2027-2032)
- Table 149: Global Silicon Carbide (SiC) Production Value by Type (2021-2026) & (US\$ Million)
- Table 150: Global Silicon Carbide (SiC) Production Value by Type (2027-2032) & (US\$ Million)
- Table 151: Global Silicon Carbide (SiC) Production Value Market Share by Type (2021-2026)
- Table 152: Global Silicon Carbide (SiC) Production Value Market Share by Type (2027-2032)
- Table 153: Global Silicon Carbide (SiC) Price by Type (2021-2026) & (US\$/t)
- Table 154: Global Silicon Carbide (SiC) Price by Type (2027-2032) & (US\$/t)
- Table 155: Global Silicon Carbide (SiC) Production by Application (2021-2026) & (K t)
- Table 156: Global Silicon Carbide (SiC) Production by Application (2027-2032) & (K t)
- Table 157: Global Silicon Carbide (SiC) Production Market Share by Application (2021-2026)
- Table 158: Global Silicon Carbide (SiC) Production Market Share by Application (2027-2032)
- Table 159: Global Silicon Carbide (SiC) Production Value by Application (2021-2026) & (US\$ Million)
- Table 160: Global Silicon Carbide (SiC) Production Value by Application (2027-2032) & (US\$ Million)
- Table 161: Global Silicon Carbide (SiC) Production Value Market Share by Application (2021-2026)
- Table 162: Global Silicon Carbide (SiC) Production Value Market Share by Application (2027-2032)
- Table 163: Global Silicon Carbide (SiC) Price by Application (2021-2026) & (US\$/t)
- Table 164: Global Silicon Carbide (SiC) Price by Application (2027-2032) & (US\$/t)
- Table 165: Key Raw Materials
- Table 166: Raw Materials Key Suppliers
- Table 167: Silicon Carbide (SiC) Distributors List
- Table 168: Silicon Carbide (SiC) Customers List
- Table 169: Silicon Carbide (SiC) Industry Trends
- Table 170: Silicon Carbide (SiC) Industry Drivers

- Table 171: Silicon Carbide (SiC) Industry Restraints
- Table 172: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Silicon Carbide (SiC) Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Black SiC Product Image
- Figure 7: Green SiC Product Image
- Figure 8: Metallurgical Industrial Product Image
- Figure 9: Refractory Industrial Product Image
- Figure 10: Abrasive Industrial Product Image
- Figure 11: Ceramic Industrial Product Image
- Figure 12: Others Product Image
- Figure 13: Global Silicon Carbide (SiC) Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 14: Global Silicon Carbide (SiC) Production Value (2021-2032) & (US\$ Million)
- Figure 15: Global Silicon Carbide (SiC) Production Capacity (2021-2032) & (K t)
- Figure 16: Global Silicon Carbide (SiC) Production (2021-2032) & (K t)
- Figure 17: Global Silicon Carbide (SiC) Average Price (US\$/t) & (2021-2032)
- Figure 18: Global Silicon Carbide (SiC) Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 19: Global Top 5 and 10 Silicon Carbide (SiC) Players Market Share by Production Value in 2025
- Figure 20: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 21: Global Silicon Carbide (SiC) Production Comparison by Region: 2021 VS 2025 VS 2032 (K t)
- Figure 22: Global Silicon Carbide (SiC) Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 23: Global Silicon Carbide (SiC) Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 24: Global Silicon Carbide (SiC) Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 25: North America Silicon Carbide (SiC) Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 26: Europe Silicon Carbide (SiC) Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 27: China Silicon Carbide (SiC) Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: Japan Silicon Carbide (SiC) Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: Global Silicon Carbide (SiC) Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K t)
- Figure 30: Global Silicon Carbide (SiC) Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 31: North America Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 32: North America Silicon Carbide (SiC) Consumption Market Share by Country (2021-2032)
- Figure 33: United States Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 34: United States Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 35: Canada Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 36: Mexico Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 37: Europe Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 38: Europe Silicon Carbide (SiC) Consumption Market Share by Country (2021-2032)
- Figure 39: Germany Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 40: France Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 41: U.K. Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 42: Italy Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 43: Russia Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 44: Spain Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 45: Netherlands Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 46: Switzerland Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 47: Sweden Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 48: Poland Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 49: Asia Pacific Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 50: Asia Pacific Silicon Carbide (SiC) Consumption Market Share by Country (2021-2032)
- Figure 51: China Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 52: Japan Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 53: South Korea Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 54: India Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 55: Australia Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 56: Taiwan Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 57: Southeast Asia Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 58: South America, Middle East & Africa Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 59: South America, Middle East & Africa Silicon Carbide (SiC) Consumption Market Share by Country (2021-2032)

- Figure 60: Brazil Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 61: Argentina Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 62: Chile Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 63: Turkey Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 64: GCC Countries Silicon Carbide (SiC) Consumption and Growth Rate (2021-2032) & (K t)
- Figure 65: Global Silicon Carbide (SiC) Production Market Share by Type (2021-2032)
- Figure 66: Global Silicon Carbide (SiC) Production Value Market Share by Type (2021-2032)
- Figure 67: Global Silicon Carbide (SiC) Price (US\$/t) by Type (2021-2032)
- Figure 68: Global Silicon Carbide (SiC) Production Market Share by Application (2021-2032)
- Figure 69: Global Silicon Carbide (SiC) Production Value Market Share by Application (2021-2032)
- Figure 70: Global Silicon Carbide (SiC) Price (US\$/t) by Application (2021-2032)
- Figure 71: Silicon Carbide (SiC) Value Chain
- Figure 72: Silicon Carbide (SiC) Production Mode & Process
- Figure 73: Direct Comparison with Distribution Share
- Figure 74: Distributors Profiles
- Figure 75: Silicon Carbide (SiC) Industry Opportunities and Challenges