

Global High Purity SiC Powder Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GC63926DAD4FEN.html>

Date: September 2026

Pages: 139

Price: US\$ 4,480.00 (Single User License)

ID: GC63926DAD4FEN

Abstracts

The global High Purity SiC Powder market size is expected to reach \$ 452 million by 2032, rising at a market growth of 14.7% CAGR during the forecast period (2026-2032).

High purity silicon carbide (SiC) powder, defined as material with a purity level of ?5N (99.999%), is a specialized form of SiC that is used in applications requiring extremely low levels of metallic and non-metallic impurities. This grade of SiC is distinguished from standard SiC powders (which are typically 98–99.5% pure) by its exceptional electrical, thermal, and mechanical properties, maintained even under demanding operating environments.

High purity SiC is primarily produced through advanced purification processes such as chemical vapor purification, thermal refining, or chlorination, often followed by precision classification to ensure narrow particle size distribution. It is used in key high-tech sectors including semiconductors (especially SiC wafer manufacturing), ceramic armor, high-performance ceramics, high-temperature coatings, refractories, and quantum materials research. The material's extremely low impurity content is critical for minimizing defect densities in electronic substrates and achieving the performance standards needed in next-generation technologies.

The high purity SiC powder (?5N) market is strategically positioned at the intersection of next-generation electronics, advanced ceramics, and national materials security. While demand is currently led by the power semiconductor industry, broader applications in defense, aerospace, and quantum technologies are expanding the material's relevance. However, growth is constrained by purification challenges, high production costs, and limited global supply capacity. The sector is expected to remain technically intensive and investment-heavy, with a premium on quality control, vertical integration, and R&D.

As both developed and emerging economies race to secure domestic supply of high-purity SiC, the market is poised for both expansion and transformation in the decade ahead.

In 2025, the global production of high-purity silicon carbide (SiC) powder reached 914.3 tons, with an average price of approximately US\$179 per kilogram. The most prominent driver of demand for 5N SiC powder is the rapidly expanding SiC semiconductor industry, particularly for power devices and substrates. Compared to silicon, SiC enables faster switching, higher breakdown voltage, and greater thermal conductivity—making it ideal for electric vehicles, renewable energy systems, and industrial inverters. As the industry transitions toward 6-inch and 8-inch SiC wafers, higher purity starting materials are essential for minimizing defect rates during crystal growth (e.g., in PVT or HTCVD methods). This trend is placing upward pressure on both the quality and quantity of high purity SiC powder.

Beyond semiconductors, high purity SiC is increasingly used in technical ceramics for applications such as ballistic protection, aerospace thermal shielding, and components for nuclear reactors. These applications benefit from the material's high strength-to-weight ratio, corrosion resistance, and stability at extreme temperatures. As defense and aerospace sectors adopt more advanced ceramic systems, demand for ultra-clean, fine-particle SiC is growing accordingly.

Historically, high purity SiC production has been concentrated in a few countries, notably the U.S., Japan, and parts of Europe. However, China, South Korea, and India are actively expanding domestic production of high purity SiC powders to reduce reliance on imports and secure strategic materials for their electronics and defense sectors. This has led to increasing investment in purification technologies and the formation of vertically integrated SiC supply chains in these regions.

Global key players of High Purity SiC Powder include Wolfspeed, Coherent and SiCrystal, etc. The top three players hold a share about 33%.

Report Scope

This report studies the global High Purity SiC Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Purity SiC Powder 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 High Purity SiC Powder that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Purity SiC Powder total production and demand, 2021-2032, (Tons)

Global High Purity SiC Powder total production value, 2021-2032, (USD Million)

Global High Purity SiC Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global High Purity SiC Powder consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: High Purity SiC Powder domestic production, consumption, key domestic manufacturers and share

Global High Purity SiC Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global High Purity SiC Powder production by Process, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global High Purity SiC Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global High Purity SiC Powder 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 Nanomakers, Washington Mills, Fiven, Zadiant, Wolfsped, Coherent, SK Siltron, SiCrystal, STMicroelectronics, TankeBlue, 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 High Purity SiC Powder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Kg) by manufacturer, by Process, 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 High Purity SiC Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Purity SiC Powder Market, Segmentation by Process:

SHS Method

Acheson Method

CVD Method

Others

Global High Purity SiC Powder Market, Segmentation by Crystal Phase:

β-phase SiC

α-phase SiC

Global High Purity SiC Powder Market, Segmentation by Product Purity:

5N

6N

Other

Global High Purity SiC Powder Market, Segmentation by Application:

SiC Wafer

Ceramic

Refractory Materials

Abrasives

Others

Companies Profiled:

Nanomakers

Washington Mills

Fiven

Zadient

Wolfspeed

Coherent

SK Siltron

SiCrystal

STMicroelectronics

TankeBlue

SICC

Hebei Synlight Semiconductor

Shanxi Semisic Crystal

Ningbo Alpha Semiconductor

Shaoxing Jingcai Technology

Henan Zhongyi

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

- 1.1 High Purity SiC Powder Introduction
- 1.2 World High Purity SiC Powder Supply & Forecast
 - 1.2.1 World High Purity SiC Powder Production Value (2021 & 2025 & 2032)
 - 1.2.2 World High Purity SiC Powder Production (2021-2032)
 - 1.2.3 World High Purity SiC Powder Pricing Trends (2021-2032)
- 1.3 World High Purity SiC Powder Production by Region (Based on Production Site)
 - 1.3.1 World High Purity SiC Powder Production Value by Region (2021-2032)
 - 1.3.2 World High Purity SiC Powder Production by Region (2021-2032)
 - 1.3.3 World High Purity SiC Powder Average Price by Region (2021-2032)
 - 1.3.4 North America High Purity SiC Powder Production (2021-2032)
 - 1.3.5 Europe High Purity SiC Powder Production (2021-2032)
 - 1.3.6 China High Purity SiC Powder Production (2021-2032)
 - 1.3.7 Japan High Purity SiC Powder Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 High Purity SiC Powder Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 High Purity SiC Powder Major Market Trends

2 DEMAND SUMMARY

- 2.1 World High Purity SiC Powder Demand (2021-2032)
- 2.2 World High Purity SiC Powder Consumption by Region
 - 2.2.1 World High Purity SiC Powder Consumption by Region (2021-2026)
 - 2.2.2 World High Purity SiC Powder Consumption Forecast by Region (2027-2032)
- 2.3 United States High Purity SiC Powder Consumption (2021-2032)
- 2.4 China High Purity SiC Powder Consumption (2021-2032)
- 2.5 Europe High Purity SiC Powder Consumption (2021-2032)
- 2.6 Japan High Purity SiC Powder Consumption (2021-2032)
- 2.7 South Korea High Purity SiC Powder Consumption (2021-2032)
- 2.8 ASEAN High Purity SiC Powder Consumption (2021-2032)
- 2.9 India High Purity SiC Powder Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World High Purity SiC Powder Production Value by Manufacturer (2021-2026)

- 3.2 World High Purity SiC Powder Production by Manufacturer (2021-2026)
- 3.3 World High Purity SiC Powder Average Price by Manufacturer (2021-2026)
- 3.4 High Purity SiC Powder Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global High Purity SiC Powder Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for High Purity SiC Powder in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for High Purity SiC Powder in 2025
- 3.6 High Purity SiC Powder Market: Overall Company Footprint Analysis
 - 3.6.1 High Purity SiC Powder Market: Region Footprint
 - 3.6.2 High Purity SiC Powder Market: Company Product Type Footprint
 - 3.6.3 High Purity SiC Powder Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: High Purity SiC Powder Production Value Comparison
 - 4.1.1 United States VS China: High Purity SiC Powder Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: High Purity SiC Powder Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: High Purity SiC Powder Production Comparison
 - 4.2.1 United States VS China: High Purity SiC Powder Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: High Purity SiC Powder Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: High Purity SiC Powder Consumption Comparison
 - 4.3.1 United States VS China: High Purity SiC Powder Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: High Purity SiC Powder Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based High Purity SiC Powder Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based High Purity SiC Powder Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers High Purity SiC Powder Production Value (2021-2026)

4.4.3 United States Based Manufacturers High Purity SiC Powder Production (2021-2026)

4.5 China Based High Purity SiC Powder Manufacturers and Market Share

4.5.1 China Based High Purity SiC Powder Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers High Purity SiC Powder Production Value (2021-2026)

4.5.3 China Based Manufacturers High Purity SiC Powder Production (2021-2026)

4.6 Rest of World Based High Purity SiC Powder Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based High Purity SiC Powder Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers High Purity SiC Powder Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers High Purity SiC Powder Production (2021-2026)

5 MARKET ANALYSIS BY PROCESS

5.1 World High Purity SiC Powder Market Size Overview by Process: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Process

5.2.1 SHS Method

5.2.2 Acheson Method

5.2.3 CVD Method

5.2.4 Others

5.3 Market Segment by Process

5.3.1 World High Purity SiC Powder Production by Process (2021-2032)

5.3.2 World High Purity SiC Powder Production Value by Process (2021-2032)

5.3.3 World High Purity SiC Powder Average Price by Process (2021-2032)

6 MARKET ANALYSIS BY CRYSTAL PHASE

6.1 World High Purity SiC Powder Market Size Overview by Crystal Phase: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Crystal Phase

6.2.1 β -phase SiC

6.2.2 β -phase SiC

6.3 Market Segment by Crystal Phase

6.3.1 World High Purity SiC Powder Production by Crystal Phase (2021-2032)

6.3.2 World High Purity SiC Powder Production Value by Crystal Phase (2021-2032)

6.3.3 World High Purity SiC Powder Average Price by Crystal Phase (2021-2032)

7 MARKET ANALYSIS BY PRODUCT PURITY

7.1 World High Purity SiC Powder Market Size Overview by Product Purity: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Product Purity

7.2.1 5N

7.2.2 6N

7.2.3 Other

7.3 Market Segment by Product Purity

7.3.1 World High Purity SiC Powder Production by Product Purity (2021-2032)

7.3.2 World High Purity SiC Powder Production Value by Product Purity (2021-2032)

7.3.3 World High Purity SiC Powder Average Price by Product Purity (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World High Purity SiC Powder Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 SiC Wafer

8.2.2 Ceramic

8.2.3 Refractory Materials

8.2.4 Abrasives

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World High Purity SiC Powder Production by Application (2021-2032)

8.3.2 World High Purity SiC Powder Production Value by Application (2021-2032)

8.3.3 World High Purity SiC Powder Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Nanomakers

9.1.1 Nanomakers Details

9.1.2 Nanomakers Major Business

- 9.1.3 Nanomakers High Purity SiC Powder Product and Services
- 9.1.4 Nanomakers High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Nanomakers Recent Developments/Updates
- 9.1.6 Nanomakers Competitive Strengths & Weaknesses
- 9.2 Washington Mills
 - 9.2.1 Washington Mills Details
 - 9.2.2 Washington Mills Major Business
 - 9.2.3 Washington Mills High Purity SiC Powder Product and Services
 - 9.2.4 Washington Mills High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.2.5 Washington Mills Recent Developments/Updates
 - 9.2.6 Washington Mills Competitive Strengths & Weaknesses
- 9.3 Fiven
 - 9.3.1 Fiven Details
 - 9.3.2 Fiven Major Business
 - 9.3.3 Fiven High Purity SiC Powder Product and Services
 - 9.3.4 Fiven High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Fiven Recent Developments/Updates
 - 9.3.6 Fiven Competitive Strengths & Weaknesses
- 9.4 Zadiant
 - 9.4.1 Zadiant Details
 - 9.4.2 Zadiant Major Business
 - 9.4.3 Zadiant High Purity SiC Powder Product and Services
 - 9.4.4 Zadiant High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Zadiant Recent Developments/Updates
 - 9.4.6 Zadiant Competitive Strengths & Weaknesses
- 9.5 Wolfspeed
 - 9.5.1 Wolfspeed Details
 - 9.5.2 Wolfspeed Major Business
 - 9.5.3 Wolfspeed High Purity SiC Powder Product and Services
 - 9.5.4 Wolfspeed High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Wolfspeed Recent Developments/Updates
 - 9.5.6 Wolfspeed Competitive Strengths & Weaknesses
- 9.6 Coherent
 - 9.6.1 Coherent Details

- 9.6.2 Coherent Major Business
- 9.6.3 Coherent High Purity SiC Powder Product and Services
- 9.6.4 Coherent High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.6.5 Coherent Recent Developments/Updates
- 9.6.6 Coherent Competitive Strengths & Weaknesses
- 9.7 SK Siltron
 - 9.7.1 SK Siltron Details
 - 9.7.2 SK Siltron Major Business
 - 9.7.3 SK Siltron High Purity SiC Powder Product and Services
 - 9.7.4 SK Siltron High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 SK Siltron Recent Developments/Updates
 - 9.7.6 SK Siltron Competitive Strengths & Weaknesses
- 9.8 SiCrystal
 - 9.8.1 SiCrystal Details
 - 9.8.2 SiCrystal Major Business
 - 9.8.3 SiCrystal High Purity SiC Powder Product and Services
 - 9.8.4 SiCrystal High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 SiCrystal Recent Developments/Updates
 - 9.8.6 SiCrystal Competitive Strengths & Weaknesses
- 9.9 STMicroelectronics
 - 9.9.1 STMicroelectronics Details
 - 9.9.2 STMicroelectronics Major Business
 - 9.9.3 STMicroelectronics High Purity SiC Powder Product and Services
 - 9.9.4 STMicroelectronics High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 STMicroelectronics Recent Developments/Updates
 - 9.9.6 STMicroelectronics Competitive Strengths & Weaknesses
- 9.10 TankeBlue
 - 9.10.1 TankeBlue Details
 - 9.10.2 TankeBlue Major Business
 - 9.10.3 TankeBlue High Purity SiC Powder Product and Services
 - 9.10.4 TankeBlue High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 TankeBlue Recent Developments/Updates
 - 9.10.6 TankeBlue Competitive Strengths & Weaknesses
- 9.11 SICC

- 9.11.1 SICC Details
- 9.11.2 SICC Major Business
- 9.11.3 SICC High Purity SiC Powder Product and Services
- 9.11.4 SICC High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 SICC Recent Developments/Updates
- 9.11.6 SICC Competitive Strengths & Weaknesses
- 9.12 Hebei Synlight Semiconductor
 - 9.12.1 Hebei Synlight Semiconductor Details
 - 9.12.2 Hebei Synlight Semiconductor Major Business
 - 9.12.3 Hebei Synlight Semiconductor High Purity SiC Powder Product and Services
 - 9.12.4 Hebei Synlight Semiconductor High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Hebei Synlight Semiconductor Recent Developments/Updates
 - 9.12.6 Hebei Synlight Semiconductor Competitive Strengths & Weaknesses
- 9.13 Shanxi Semisic Crystal
 - 9.13.1 Shanxi Semisic Crystal Details
 - 9.13.2 Shanxi Semisic Crystal Major Business
 - 9.13.3 Shanxi Semisic Crystal High Purity SiC Powder Product and Services
 - 9.13.4 Shanxi Semisic Crystal High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Shanxi Semisic Crystal Recent Developments/Updates
 - 9.13.6 Shanxi Semisic Crystal Competitive Strengths & Weaknesses
- 9.14 Ningbo Alpha Semiconductor
 - 9.14.1 Ningbo Alpha Semiconductor Details
 - 9.14.2 Ningbo Alpha Semiconductor Major Business
 - 9.14.3 Ningbo Alpha Semiconductor High Purity SiC Powder Product and Services
 - 9.14.4 Ningbo Alpha Semiconductor High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Ningbo Alpha Semiconductor Recent Developments/Updates
 - 9.14.6 Ningbo Alpha Semiconductor Competitive Strengths & Weaknesses
- 9.15 Shaoxing Jingcai Technology
 - 9.15.1 Shaoxing Jingcai Technology Details
 - 9.15.2 Shaoxing Jingcai Technology Major Business
 - 9.15.3 Shaoxing Jingcai Technology High Purity SiC Powder Product and Services
 - 9.15.4 Shaoxing Jingcai Technology High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Shaoxing Jingcai Technology Recent Developments/Updates
 - 9.15.6 Shaoxing Jingcai Technology Competitive Strengths & Weaknesses

9.16 Henan Zhongyi

9.16.1 Henan Zhongyi Details

9.16.2 Henan Zhongyi Major Business

9.16.3 Henan Zhongyi High Purity SiC Powder Product and Services

9.16.4 Henan Zhongyi High Purity SiC Powder Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.16.5 Henan Zhongyi Recent Developments/Updates

9.16.6 Henan Zhongyi Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 High Purity SiC Powder Industry Chain

10.2 High Purity SiC Powder Upstream Analysis

10.2.1 High Purity SiC Powder Core Raw Materials

10.2.2 Main Manufacturers of High Purity SiC Powder Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 High Purity SiC Powder Production Mode

10.6 High Purity SiC Powder Procurement Model

10.7 High Purity SiC Powder Industry Sales Model and Sales Channels

10.7.1 High Purity SiC Powder Sales Model

10.7.2 High Purity SiC Powder Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World High Purity SiC Powder Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World High Purity SiC Powder Production Value by Region (2021-2026) & (USD Million)

Table 3. World High Purity SiC Powder Production Value by Region (2027-2032) & (USD Million)

Table 4. World High Purity SiC Powder Production Value Market Share by Region (2021-2026)

Table 5. World High Purity SiC Powder Production Value Market Share by Region (2027-2032)

Table 6. World High Purity SiC Powder Production by Region (2021-2026) & (Tons)

Table 7. World High Purity SiC Powder Production by Region (2027-2032) & (Tons)

Table 8. World High Purity SiC Powder Production Market Share by Region (2021-2026)

Table 9. World High Purity SiC Powder Production Market Share by Region (2027-2032)

Table 10. World High Purity SiC Powder Average Price by Region (2021-2026) & (US\$/Kg)

Table 11. World High Purity SiC Powder Average Price by Region (2027-2032) & (US\$/Kg)

Table 12. High Purity SiC Powder Major Market Trends

Table 13. World High Purity SiC Powder Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World High Purity SiC Powder Consumption by Region (2021-2026) & (Tons)

Table 15. World High Purity SiC Powder Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World High Purity SiC Powder Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key High Purity SiC Powder Producers in 2025

Table 18. World High Purity SiC Powder Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key High Purity SiC Powder Producers in 2025

Table 20. World High Purity SiC Powder Average Price by Manufacturer (2021-2026) & (US\$/Kg)

Table 21. Global High Purity SiC Powder Company Evaluation Quadrant
Table 22. World High Purity SiC Powder Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and High Purity SiC Powder Production Site of Key Manufacturer
Table 24. High Purity SiC Powder Market: Company Product Type Footprint
Table 25. High Purity SiC Powder Market: Company Product Application Footprint
Table 26. High Purity SiC Powder Competitive Factors
Table 27. High Purity SiC Powder New Entrant and Capacity Expansion Plans
Table 28. High Purity SiC Powder Mergers & Acquisitions Activity
Table 29. United States VS China High Purity SiC Powder Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China High Purity SiC Powder Production Comparison, (2021 & 2025 & 2032) & (Tons)
Table 31. United States VS China High Purity SiC Powder Consumption Comparison, (2021 & 2025 & 2032) & (Tons)
Table 32. United States Based High Purity SiC Powder Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers High Purity SiC Powder Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers High Purity SiC Powder Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers High Purity SiC Powder Production (2021-2026) & (Tons)
Table 36. United States Based Manufacturers High Purity SiC Powder Production Market Share (2021-2026)
Table 37. China Based High Purity SiC Powder Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers High Purity SiC Powder Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers High Purity SiC Powder Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers High Purity SiC Powder Production, (2021-2026) & (Tons)
Table 41. China Based Manufacturers High Purity SiC Powder Production Market Share (2021-2026)
Table 42. Rest of World Based High Purity SiC Powder Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers High Purity SiC Powder Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers High Purity SiC Powder Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers High Purity SiC Powder Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers High Purity SiC Powder Production Market Share (2021-2026)

Table 47. World High Purity SiC Powder Production Value by Process, (USD Million), 2021 & 2025 & 2032

Table 48. World High Purity SiC Powder Production by Process (2021-2026) & (Tons)

Table 49. World High Purity SiC Powder Production by Process (2027-2032) & (Tons)

Table 50. World High Purity SiC Powder Production Value by Process (2021-2026) & (USD Million)

Table 51. World High Purity SiC Powder Production Value by Process (2027-2032) & (USD Million)

Table 52. World High Purity SiC Powder Average Price by Process (2021-2026) & (US\$/Kg)

Table 53. World High Purity SiC Powder Average Price by Process (2027-2032) & (US\$/Kg)

Table 54. World High Purity SiC Powder Production Value by Crystal Phase, (USD Million), 2021 & 2025 & 2032

Table 55. World High Purity SiC Powder Production by Crystal Phase (2021-2026) & (Tons)

Table 56. World High Purity SiC Powder Production by Crystal Phase (2027-2032) & (Tons)

Table 57. World High Purity SiC Powder Production Value by Crystal Phase (2021-2026) & (USD Million)

Table 58. World High Purity SiC Powder Production Value by Crystal Phase (2027-2032) & (USD Million)

Table 59. World High Purity SiC Powder Average Price by Crystal Phase (2021-2026) & (US\$/Kg)

Table 60. World High Purity SiC Powder Average Price by Crystal Phase (2027-2032) & (US\$/Kg)

Table 61. World High Purity SiC Powder Production Value by Product Purity, (USD Million), 2021 & 2025 & 2032

Table 62. World High Purity SiC Powder Production by Product Purity (2021-2026) & (Tons)

Table 63. World High Purity SiC Powder Production by Product Purity (2027-2032) & (Tons)

Table 64. World High Purity SiC Powder Production Value by Product Purity

(2021-2026) & (USD Million)

Table 65. World High Purity SiC Powder Production Value by Product Purity

(2027-2032) & (USD Million)

Table 66. World High Purity SiC Powder Average Price by Product Purity (2021-2026) & (US\$/Kg)

Table 67. World High Purity SiC Powder Average Price by Product Purity (2027-2032) & (US\$/Kg)

Table 68. World High Purity SiC Powder Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World High Purity SiC Powder Production by Application (2021-2026) & (Tons)

Table 70. World High Purity SiC Powder Production by Application (2027-2032) & (Tons)

Table 71. World High Purity SiC Powder Production Value by Application (2021-2026) & (USD Million)

Table 72. World High Purity SiC Powder Production Value by Application (2027-2032) & (USD Million)

Table 73. World High Purity SiC Powder Average Price by Application (2021-2026) & (US\$/Kg)

Table 74. World High Purity SiC Powder Average Price by Application (2027-2032) & (US\$/Kg)

Table 75. Nanomakers Basic Information, Manufacturing Base and Competitors

Table 76. Nanomakers Major Business

Table 77. Nanomakers High Purity SiC Powder Product and Services

Table 78. Nanomakers High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Nanomakers Recent Developments/Updates

Table 80. Nanomakers Competitive Strengths & Weaknesses

Table 81. Washington Mills Basic Information, Manufacturing Base and Competitors

Table 82. Washington Mills Major Business

Table 83. Washington Mills High Purity SiC Powder Product and Services

Table 84. Washington Mills High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Washington Mills Recent Developments/Updates

Table 86. Washington Mills Competitive Strengths & Weaknesses

Table 87. Fiven Basic Information, Manufacturing Base and Competitors

Table 88. Fiven Major Business

Table 89. Fiven High Purity SiC Powder Product and Services

Table 90. Fiven High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production

Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Fiven Recent Developments/Updates

Table 92. Fiven Competitive Strengths & Weaknesses

Table 93. Zadiant Basic Information, Manufacturing Base and Competitors

Table 94. Zadiant Major Business

Table 95. Zadiant High Purity SiC Powder Product and Services

Table 96. Zadiant High Purity SiC Powder Production (Tons), Price (US\$/Kg),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Zadiant Recent Developments/Updates

Table 98. Zadiant Competitive Strengths & Weaknesses

Table 99. Wolfspeed Basic Information, Manufacturing Base and Competitors

Table 100. Wolfspeed Major Business

Table 101. Wolfspeed High Purity SiC Powder Product and Services

Table 102. Wolfspeed High Purity SiC Powder Production (Tons), Price (US\$/Kg),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Wolfspeed Recent Developments/Updates

Table 104. Wolfspeed Competitive Strengths & Weaknesses

Table 105. Coherent Basic Information, Manufacturing Base and Competitors

Table 106. Coherent Major Business

Table 107. Coherent High Purity SiC Powder Product and Services

Table 108. Coherent High Purity SiC Powder Production (Tons), Price (US\$/Kg),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Coherent Recent Developments/Updates

Table 110. Coherent Competitive Strengths & Weaknesses

Table 111. SK Siltron Basic Information, Manufacturing Base and Competitors

Table 112. SK Siltron Major Business

Table 113. SK Siltron High Purity SiC Powder Product and Services

Table 114. SK Siltron High Purity SiC Powder Production (Tons), Price (US\$/Kg),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. SK Siltron Recent Developments/Updates

Table 116. SK Siltron Competitive Strengths & Weaknesses

Table 117. SiCrystal Basic Information, Manufacturing Base and Competitors

Table 118. SiCrystal Major Business

Table 119. SiCrystal High Purity SiC Powder Product and Services

Table 120. SiCrystal High Purity SiC Powder Production (Tons), Price (US\$/Kg),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. SiCrystal Recent Developments/Updates

Table 122. SiCrystal Competitive Strengths & Weaknesses

Table 123. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 124. STMicroelectronics Major Business
Table 125. STMicroelectronics High Purity SiC Powder Product and Services
Table 126. STMicroelectronics High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. STMicroelectronics Recent Developments/Updates
Table 128. STMicroelectronics Competitive Strengths & Weaknesses
Table 129. TankeBlue Basic Information, Manufacturing Base and Competitors
Table 130. TankeBlue Major Business
Table 131. TankeBlue High Purity SiC Powder Product and Services
Table 132. TankeBlue High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. TankeBlue Recent Developments/Updates
Table 134. TankeBlue Competitive Strengths & Weaknesses
Table 135. SICC Basic Information, Manufacturing Base and Competitors
Table 136. SICC Major Business
Table 137. SICC High Purity SiC Powder Product and Services
Table 138. SICC High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. SICC Recent Developments/Updates
Table 140. SICC Competitive Strengths & Weaknesses
Table 141. Hebei Synlight Semiconductor Basic Information, Manufacturing Base and Competitors
Table 142. Hebei Synlight Semiconductor Major Business
Table 143. Hebei Synlight Semiconductor High Purity SiC Powder Product and Services
Table 144. Hebei Synlight Semiconductor High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Hebei Synlight Semiconductor Recent Developments/Updates
Table 146. Hebei Synlight Semiconductor Competitive Strengths & Weaknesses
Table 147. Shanxi Semisic Crystal Basic Information, Manufacturing Base and Competitors
Table 148. Shanxi Semisic Crystal Major Business
Table 149. Shanxi Semisic Crystal High Purity SiC Powder Product and Services
Table 150. Shanxi Semisic Crystal High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 151. Shanxi Semisic Crystal Recent Developments/Updates
Table 152. Shanxi Semisic Crystal Competitive Strengths & Weaknesses
Table 153. Ningbo Alpha Semiconductor Basic Information, Manufacturing Base and Competitors

Table 154. Ningbo Alpha Semiconductor Major Business

Table 155. Ningbo Alpha Semiconductor High Purity SiC Powder Product and Services

Table 156. Ningbo Alpha Semiconductor High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Ningbo Alpha Semiconductor Recent Developments/Updates

Table 158. Ningbo Alpha Semiconductor Competitive Strengths & Weaknesses

Table 159. Shaoxing Jingcai Technology Basic Information, Manufacturing Base and Competitors

Table 160. Shaoxing Jingcai Technology Major Business

Table 161. Shaoxing Jingcai Technology High Purity SiC Powder Product and Services

Table 162. Shaoxing Jingcai Technology High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Shaoxing Jingcai Technology Recent Developments/Updates

Table 164. Shaoxing Jingcai Technology Competitive Strengths & Weaknesses

Table 165. Henan Zhongyi Basic Information, Manufacturing Base and Competitors

Table 166. Henan Zhongyi Major Business

Table 167. Henan Zhongyi High Purity SiC Powder Product and Services

Table 168. Henan Zhongyi High Purity SiC Powder Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Henan Zhongyi Recent Developments/Updates

Table 170. Henan Zhongyi Competitive Strengths & Weaknesses

Table 171. Global Key Players of High Purity SiC Powder Upstream (Raw Materials)

Table 172. Global High Purity SiC Powder Typical Customers

Table 173. High Purity SiC Powder Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. High Purity SiC Powder Picture

Figure 2. World High Purity SiC Powder Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World High Purity SiC Powder Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World High Purity SiC Powder Production (2021-2032) & (Tons)

Figure 5. World High Purity SiC Powder Average Price (2021-2032) & (US\$/Kg)

Figure 6. World High Purity SiC Powder Production Value Market Share by Region (2021-2032)

Figure 7. World High Purity SiC Powder Production Market Share by Region (2021-2032)

Figure 8. North America High Purity SiC Powder Production (2021-2032) & (Tons)

Figure 9. Europe High Purity SiC Powder Production (2021-2032) & (Tons)

Figure 10. China High Purity SiC Powder Production (2021-2032) & (Tons)

Figure 11. Japan High Purity SiC Powder Production (2021-2032) & (Tons)

Figure 12. High Purity SiC Powder Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 15. World High Purity SiC Powder Consumption Market Share by Region (2021-2032)

Figure 16. United States High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 17. China High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 18. Europe High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 19. Japan High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 20. South Korea High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 21. ASEAN High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 22. India High Purity SiC Powder Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of High Purity SiC Powder by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for High Purity SiC Powder Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for High Purity SiC Powder Markets in 2025

Figure 26. United States VS China: High Purity SiC Powder Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: High Purity SiC Powder Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: High Purity SiC Powder Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers High Purity SiC Powder Production Market Share 2025

Figure 30. China Based Manufacturers High Purity SiC Powder Production Market Share 2025

Figure 31. Rest of World Based Manufacturers High Purity SiC Powder Production Market Share 2025

Figure 32. World High Purity SiC Powder Production Value by Process, (USD Million), 2021 & 2025 & 2032

Figure 33. World High Purity SiC Powder Production Value Market Share by Process in 2025

Figure 34. SHS Method

Figure 35. Acheson Method

Figure 36. CVD Method

Figure 37. Others

Figure 38. World High Purity SiC Powder Production Market Share by Process (2021-2032)

Figure 39. World High Purity SiC Powder Production Value Market Share by Process (2021-2032)

Figure 40. World High Purity SiC Powder Average Price by Process (2021-2032) & (US\$/Kg)

Figure 41. World High Purity SiC Powder Production Value by Crystal Phase, (USD Million), 2021 & 2025 & 2032

Figure 42. World High Purity SiC Powder Production Value Market Share by Crystal Phase in 2025

Figure 43. β -phase SiC

Figure 44. α -phase SiC

Figure 45. World High Purity SiC Powder Production Market Share by Crystal Phase (2021-2032)

Figure 46. World High Purity SiC Powder Production Value Market Share by Crystal Phase (2021-2032)

Figure 47. World High Purity SiC Powder Average Price by Crystal Phase (2021-2032) & (US\$/Kg)

Figure 48. World High Purity SiC Powder Production Value by Product Purity, (USD Million), 2021 & 2025 & 2032

Figure 49. World High Purity SiC Powder Production Value Market Share by Product

Purity in 2025

Figure 50. 5N

Figure 51. 6N

Figure 52. Other

Figure 53. World High Purity SiC Powder Production Market Share by Product Purity (2021-2032)

Figure 54. World High Purity SiC Powder Production Value Market Share by Product Purity (2021-2032)

Figure 55. World High Purity SiC Powder Average Price by Product Purity (2021-2032) & (US\$/Kg)

Figure 56. World High Purity SiC Powder Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World High Purity SiC Powder Production Value Market Share by Application in 2025

Figure 58. SiC Wafer

Figure 59. Ceramic

Figure 60. Refractory Materials

Figure 61. Abrasives

Figure 62. Others

Figure 63. World High Purity SiC Powder Production Market Share by Application (2021-2032)

Figure 64. World High Purity SiC Powder Production Value Market Share by Application (2021-2032)

Figure 65. World High Purity SiC Powder Average Price by Application (2021-2032) & (US\$/Kg)

Figure 66. High Purity SiC Powder Industry Chain

Figure 67. High Purity SiC Powder Procurement Model

Figure 68. High Purity SiC Powder Sales Model

Figure 69. High Purity SiC Powder Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

I would like to order

Product name: Global High Purity SiC Powder Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GC63926DAD4FEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC63926DAD4FEN.html>