

Global Al-SiC Composite Material Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GE490D690C3AEN.html>

Date: January 2026

Pages: 170

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

ID: GE490D690C3AEN

Abstracts

The global Al-SiC Composite Material market size is expected to reach \$ 566 million by 2032, rising at a market growth of 12.5% CAGR during the forecast period (2026-2032). Al-SiC (aluminum?silicon carbide) composite is a particle-reinforced aluminum metal-matrix composite combining low coefficient of thermal expansion, high thermal conductivity, high specific stiffness, and excellent dimensional stability. It is widely applied in power semiconductor packaging such as IGBT and SiC/GaN modules for baseplates and heat spreaders, as well as in RF and microwave devices, aerospace and defense thermal-structural components, high-end heat dissipation substrates, and precision mechanical parts. Upstream inputs mainly include high-purity aluminum, tightly controlled silicon carbide particles, interface modification and wetting systems, melting and infiltration or squeeze-casting equipment, together with machining and surface-finishing consumables, where yield and cost are strongly influenced by SiC volume fraction control and defect management. Downstream customers consist of power device and module packaging manufacturers, automotive and new-energy inverter OEMs and Tier-1 suppliers, industrial drive and rail traction equipment suppliers, and aerospace and defense contractors. On a global basis for 2025 and calculated on an ex-works basis, global nameplate capacity of Al-SiC composite material is estimated at around 1,650 tonnes, with sales volume of approximately 1,393 tonnes, an average selling price of about USD 172 per kilogram, and a typical producer gross margin range of roughly 22%?32%. Market opportunities are primarily driven by the rapid penetration of SiC and GaN power devices, the expansion of electric vehicles and energy storage systems, and the rising demand for lightweight, high-efficiency thermal management solutions in high power-density equipment. From a current market perspective, Al-SiC composite materials have evolved from niche engineering solutions into established options within power electronics and high-end thermal management applications. Their use is largely concentrated in scenarios that

demand strict control over thermal expansion, heat dissipation, and dimensional stability, particularly in power semiconductor packaging and high-reliability industrial systems. As a result, the market exhibits a highly specialized demand profile and a relatively concentrated supply structure, where material consistency, long-term reliability, and proven performance outweigh price-driven competition.

Looking ahead, the application scope of Al-SiC is expected to expand in line with rising power density and system integration. As power modules move toward higher voltages, higher switching frequencies, and greater integration levels, the importance of thermal management and CTE matching becomes more pronounced. This trend supports deeper penetration of Al-SiC in advanced packaging, automotive-grade power modules, and high-end industrial power systems. At the same time, market focus is shifting from individual material properties toward system-level performance, encouraging closer integration between Al-SiC materials, packaging design, interface materials, and manufacturing processes.

Key growth drivers stem from structural changes in end-use markets, including electrification in transportation, expansion of power electronics, grid modernization, and industrial automation, all of which demand higher power density and reliability. In these applications, conventional metals or ceramics often fail to deliver an optimal balance between thermal performance and mechanical compatibility, reinforcing the role of Al-SiC as a technically compelling solution. In addition, the emphasis placed by leading customers on platform-based designs and long-term supply security further strengthens the material's position within qualified supply chains.

At the same time, several constraints continue to shape market development.

Manufacturing complexity and narrow process tolerances impose high requirements on powder quality control, interfacial bonding, and post-processing capabilities, limiting rapid capacity expansion. Downstream qualification and certification cycles are typically lengthy, slowing the adoption of new materials or suppliers. Moreover, variations in cost sensitivity and performance priorities across application segments mean that Al-SiC is unlikely to become a universal thermal management material, but will instead remain a high-performance solution coexisting with alternative composite materials over the long term.

This report studies the global Al-SiC Composite Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Al-SiC Composite Material 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 Al-SiC Composite Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Al-SiC Composite Material total production and demand, 2021-2032, (Tons)

Global Al-SiC Composite Material total production value, 2021-2032, (USD Million)

Global Al-SiC Composite Material production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Al-SiC Composite Material consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Al-SiC Composite Material domestic production, consumption, key domestic manufacturers and share

Global Al-SiC Composite Material production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Al-SiC Composite Material production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Al-SiC Composite Material production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Al-SiC Composite Material 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 Denka, CPS Technologies, Materion, DWA Aluminum Composites, Ametek Specially Metal Products, Japan Fine Ceramics, Sumitomo Electric (A.L.M.T.), Ferrotec, Thermal Transfer Composites, Advanced Cooling Technologies, 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 Al-SiC Composite Material 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 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 Al-SiC Composite Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Al-SiC Composite Material Market, Segmentation by Type:

SiC Volume Fraction 5%-30%

SiC Volume Fraction 35%-50%

SiC Volume Fraction 55%-70%

Global Al-SiC Composite Material Market, Segmentation by Manufacturing Process:

Pressure Infiltration Casting

Powder Metallurgy

Other

Global Al-SiC Composite Material Market, Segmentation by Performance Class:

Standard Thermal-Management Grade

Power Electronics Grade

Aerospace Grade

Other

Global Al-SiC Composite Material Market, Segmentation by Application:

Semiconductor

Aerospace and Defense

Rail Transit and Automotive

5G

Other

Companies Profiled:

Denka

CPS Technologies

Materion

DWA Aluminum Composites

Ametek Specially Metal Products

Japan Fine Ceramics

Sumitomo Electric (A.L.M.T.)

Ferrotec

Thermal Transfer Composites

Advanced Cooling Technologies

Beijing Baohang Advanced Materials

Hunan Harvest

Hunan Everrich Composite

Fadi Technology

Suzhou Han Qi Aviation Technology

Minco Xi'an Microelectronics Materials

Shanghai VISION

Hunan Wenchang New Material Technology

Jilin Nstar Metallic Materials

Anhui Xiangbang Composite Materials

Zhuhai Yiteli New Materials

Henan Hanyin Optoelectronics Technology

SITRI Material Tech

Changzhou Taigeer Electronic Materials

Zhuhai Kailide New Material

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Al-SiC Composite Material Production Value by Manufacturer (2021-2026)

- 3.2 World Al-SiC Composite Material Production by Manufacturer (2021-2026)
- 3.3 World Al-SiC Composite Material Average Price by Manufacturer (2021-2026)
- 3.4 Al-SiC Composite Material Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Al-SiC Composite Material Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Al-SiC Composite Material in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Al-SiC Composite Material in 2025
- 3.6 Al-SiC Composite Material Market: Overall Company Footprint Analysis
 - 3.6.1 Al-SiC Composite Material Market: Region Footprint
 - 3.6.2 Al-SiC Composite Material Market: Company Product Type Footprint
 - 3.6.3 Al-SiC Composite Material 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: Al-SiC Composite Material Production Value Comparison
 - 4.1.1 United States VS China: Al-SiC Composite Material Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Al-SiC Composite Material Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Al-SiC Composite Material Production Comparison
 - 4.2.1 United States VS China: Al-SiC Composite Material Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Al-SiC Composite Material Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Al-SiC Composite Material Consumption Comparison
 - 4.3.1 United States VS China: Al-SiC Composite Material Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Al-SiC Composite Material Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Al-SiC Composite Material Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Al-SiC Composite Material Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Al-SiC Composite Material Production Value (2021-2026)

4.4.3 United States Based Manufacturers Al-SiC Composite Material Production (2021-2026)

4.5 China Based Al-SiC Composite Material Manufacturers and Market Share

4.5.1 China Based Al-SiC Composite Material Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Al-SiC Composite Material Production Value (2021-2026)

4.5.3 China Based Manufacturers Al-SiC Composite Material Production (2021-2026)

4.6 Rest of World Based Al-SiC Composite Material Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Al-SiC Composite Material Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Al-SiC Composite Material Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Al-SiC Composite Material Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Al-SiC Composite Material Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 SiC Volume Fraction 5%-30%

5.2.2 SiC Volume Fraction 35%-50%

5.2.3 SiC Volume Fraction 55%-70%

5.3 Market Segment by Type

5.3.1 World Al-SiC Composite Material Production by Type (2021-2032)

5.3.2 World Al-SiC Composite Material Production Value by Type (2021-2032)

5.3.3 World Al-SiC Composite Material Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY MANUFACTURING PROCESS

6.1 World Al-SiC Composite Material Market Size Overview by Manufacturing Process: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Manufacturing Process

6.2.1 Pressure Infiltration Casting

6.2.2 Powder Metallurgy

6.2.3 Other

6.3 Market Segment by Manufacturing Process

6.3.1 World Al-SiC Composite Material Production by Manufacturing Process
(2021-2032)

6.3.2 World Al-SiC Composite Material Production Value by Manufacturing Process
(2021-2032)

6.3.3 World Al-SiC Composite Material Average Price by Manufacturing Process
(2021-2032)

7 MARKET ANALYSIS BY PERFORMANCE CLASS

7.1 World Al-SiC Composite Material Market Size Overview by Performance Class:
2021 VS 2025 VS 2032

7.2 Segment Introduction by Performance Class

7.2.1 Standard Thermal-Management Grade

7.2.2 Power Electronics Grade

7.2.3 Aerospace Grade

7.2.4 Other

7.3 Market Segment by Performance Class

7.3.1 World Al-SiC Composite Material Production by Performance Class (2021-2032)

7.3.2 World Al-SiC Composite Material Production Value by Performance Class
(2021-2032)

7.3.3 World Al-SiC Composite Material Average Price by Performance Class
(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Al-SiC Composite Material Market Size Overview by Application: 2021 VS
2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Semiconductor

8.2.2 Aerospace and Defense

8.2.3 Rail Transit and Automotive

8.2.4 5G

8.2.5 Other

8.3 Market Segment by Application

8.3.1 World Al-SiC Composite Material Production by Application (2021-2032)

8.3.2 World Al-SiC Composite Material Production Value by Application (2021-2032)

8.3.3 World Al-SiC Composite Material Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Denka

9.1.1 Denka Details

9.1.2 Denka Major Business

9.1.3 Denka Al-SiC Composite Material Product and Services

9.1.4 Denka Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Denka Recent Developments/Updates

9.1.6 Denka Competitive Strengths & Weaknesses

9.2 CPS Technologies

9.2.1 CPS Technologies Details

9.2.2 CPS Technologies Major Business

9.2.3 CPS Technologies Al-SiC Composite Material Product and Services

9.2.4 CPS Technologies Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 CPS Technologies Recent Developments/Updates

9.2.6 CPS Technologies Competitive Strengths & Weaknesses

9.3 Materion

9.3.1 Materion Details

9.3.2 Materion Major Business

9.3.3 Materion Al-SiC Composite Material Product and Services

9.3.4 Materion Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Materion Recent Developments/Updates

9.3.6 Materion Competitive Strengths & Weaknesses

9.4 DWA Aluminum Composites

9.4.1 DWA Aluminum Composites Details

9.4.2 DWA Aluminum Composites Major Business

9.4.3 DWA Aluminum Composites Al-SiC Composite Material Product and Services

9.4.4 DWA Aluminum Composites Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 DWA Aluminum Composites Recent Developments/Updates

9.4.6 DWA Aluminum Composites Competitive Strengths & Weaknesses

9.5 Ametek Specially Metal Products

9.5.1 Ametek Specially Metal Products Details

9.5.2 Ametek Specially Metal Products Major Business

9.5.3 Ametek Specially Metal Products Al-SiC Composite Material Product and

Services

9.5.4 Ametek Specially Metal Products Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Ametek Specially Metal Products Recent Developments/Updates

9.5.6 Ametek Specially Metal Products Competitive Strengths & Weaknesses

9.6 Japan Fine Ceramics

9.6.1 Japan Fine Ceramics Details

9.6.2 Japan Fine Ceramics Major Business

9.6.3 Japan Fine Ceramics Al-SiC Composite Material Product and Services

9.6.4 Japan Fine Ceramics Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Japan Fine Ceramics Recent Developments/Updates

9.6.6 Japan Fine Ceramics Competitive Strengths & Weaknesses

9.7 Sumitomo Electric (A.L.M.T.)

9.7.1 Sumitomo Electric (A.L.M.T.) Details

9.7.2 Sumitomo Electric (A.L.M.T.) Major Business

9.7.3 Sumitomo Electric (A.L.M.T.) Al-SiC Composite Material Product and Services

9.7.4 Sumitomo Electric (A.L.M.T.) Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Sumitomo Electric (A.L.M.T.) Recent Developments/Updates

9.7.6 Sumitomo Electric (A.L.M.T.) Competitive Strengths & Weaknesses

9.8 Ferrotec

9.8.1 Ferrotec Details

9.8.2 Ferrotec Major Business

9.8.3 Ferrotec Al-SiC Composite Material Product and Services

9.8.4 Ferrotec Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Ferrotec Recent Developments/Updates

9.8.6 Ferrotec Competitive Strengths & Weaknesses

9.9 Thermal Transfer Composites

9.9.1 Thermal Transfer Composites Details

9.9.2 Thermal Transfer Composites Major Business

9.9.3 Thermal Transfer Composites Al-SiC Composite Material Product and Services

9.9.4 Thermal Transfer Composites Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Thermal Transfer Composites Recent Developments/Updates

9.9.6 Thermal Transfer Composites Competitive Strengths & Weaknesses

9.10 Advanced Cooling Technologies

9.10.1 Advanced Cooling Technologies Details

- 9.10.2 Advanced Cooling Technologies Major Business
- 9.10.3 Advanced Cooling Technologies Al-SiC Composite Material Product and Services
- 9.10.4 Advanced Cooling Technologies Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.10.5 Advanced Cooling Technologies Recent Developments/Updates
- 9.10.6 Advanced Cooling Technologies Competitive Strengths & Weaknesses
- 9.11 Beijing Baohang Advanced Materials
 - 9.11.1 Beijing Baohang Advanced Materials Details
 - 9.11.2 Beijing Baohang Advanced Materials Major Business
 - 9.11.3 Beijing Baohang Advanced Materials Al-SiC Composite Material Product and Services
 - 9.11.4 Beijing Baohang Advanced Materials Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Beijing Baohang Advanced Materials Recent Developments/Updates
 - 9.11.6 Beijing Baohang Advanced Materials Competitive Strengths & Weaknesses
- 9.12 Hunan Harvest
 - 9.12.1 Hunan Harvest Details
 - 9.12.2 Hunan Harvest Major Business
 - 9.12.3 Hunan Harvest Al-SiC Composite Material Product and Services
 - 9.12.4 Hunan Harvest Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Hunan Harvest Recent Developments/Updates
 - 9.12.6 Hunan Harvest Competitive Strengths & Weaknesses
- 9.13 Hunan Everrich Composite
 - 9.13.1 Hunan Everrich Composite Details
 - 9.13.2 Hunan Everrich Composite Major Business
 - 9.13.3 Hunan Everrich Composite Al-SiC Composite Material Product and Services
 - 9.13.4 Hunan Everrich Composite Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Hunan Everrich Composite Recent Developments/Updates
 - 9.13.6 Hunan Everrich Composite Competitive Strengths & Weaknesses
- 9.14 Fadi Technology
 - 9.14.1 Fadi Technology Details
 - 9.14.2 Fadi Technology Major Business
 - 9.14.3 Fadi Technology Al-SiC Composite Material Product and Services
 - 9.14.4 Fadi Technology Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Fadi Technology Recent Developments/Updates

- 9.14.6 Fadi Technology Competitive Strengths & Weaknesses
- 9.15 Suzhou Han Qi Aviation Technology
 - 9.15.1 Suzhou Han Qi Aviation Technology Details
 - 9.15.2 Suzhou Han Qi Aviation Technology Major Business
 - 9.15.3 Suzhou Han Qi Aviation Technology AI-SiC Composite Material Product and Services
 - 9.15.4 Suzhou Han Qi Aviation Technology AI-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Suzhou Han Qi Aviation Technology Recent Developments/Updates
 - 9.15.6 Suzhou Han Qi Aviation Technology Competitive Strengths & Weaknesses
- 9.16 Minco Xi'an Microelectronics Materials
 - 9.16.1 Minco Xi'an Microelectronics Materials Details
 - 9.16.2 Minco Xi'an Microelectronics Materials Major Business
 - 9.16.3 Minco Xi'an Microelectronics Materials AI-SiC Composite Material Product and Services
 - 9.16.4 Minco Xi'an Microelectronics Materials AI-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Minco Xi'an Microelectronics Materials Recent Developments/Updates
 - 9.16.6 Minco Xi'an Microelectronics Materials Competitive Strengths & Weaknesses
- 9.17 Shanghai VISION
 - 9.17.1 Shanghai VISION Details
 - 9.17.2 Shanghai VISION Major Business
 - 9.17.3 Shanghai VISION AI-SiC Composite Material Product and Services
 - 9.17.4 Shanghai VISION AI-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Shanghai VISION Recent Developments/Updates
 - 9.17.6 Shanghai VISION Competitive Strengths & Weaknesses
- 9.18 Hunan Wenchang New Material Technology
 - 9.18.1 Hunan Wenchang New Material Technology Details
 - 9.18.2 Hunan Wenchang New Material Technology Major Business
 - 9.18.3 Hunan Wenchang New Material Technology AI-SiC Composite Material Product and Services
 - 9.18.4 Hunan Wenchang New Material Technology AI-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.18.5 Hunan Wenchang New Material Technology Recent Developments/Updates
 - 9.18.6 Hunan Wenchang New Material Technology Competitive Strengths & Weaknesses
- 9.19 Jilin Nstar Metallic Materials
 - 9.19.1 Jilin Nstar Metallic Materials Details

- 9.19.2 Jilin Nstar Metallic Materials Major Business
- 9.19.3 Jilin Nstar Metallic Materials Al-SiC Composite Material Product and Services
- 9.19.4 Jilin Nstar Metallic Materials Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.19.5 Jilin Nstar Metallic Materials Recent Developments/Updates
- 9.19.6 Jilin Nstar Metallic Materials Competitive Strengths & Weaknesses
- 9.20 Anhui Xiangbang Composite Materials
 - 9.20.1 Anhui Xiangbang Composite Materials Details
 - 9.20.2 Anhui Xiangbang Composite Materials Major Business
 - 9.20.3 Anhui Xiangbang Composite Materials Al-SiC Composite Material Product and Services
 - 9.20.4 Anhui Xiangbang Composite Materials Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.20.5 Anhui Xiangbang Composite Materials Recent Developments/Updates
 - 9.20.6 Anhui Xiangbang Composite Materials Competitive Strengths & Weaknesses
- 9.21 Zhuhai Yiteli New Materials
 - 9.21.1 Zhuhai Yiteli New Materials Details
 - 9.21.2 Zhuhai Yiteli New Materials Major Business
 - 9.21.3 Zhuhai Yiteli New Materials Al-SiC Composite Material Product and Services
 - 9.21.4 Zhuhai Yiteli New Materials Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.21.5 Zhuhai Yiteli New Materials Recent Developments/Updates
 - 9.21.6 Zhuhai Yiteli New Materials Competitive Strengths & Weaknesses
- 9.22 Henan Hanyin Optoelectronics Technology
 - 9.22.1 Henan Hanyin Optoelectronics Technology Details
 - 9.22.2 Henan Hanyin Optoelectronics Technology Major Business
 - 9.22.3 Henan Hanyin Optoelectronics Technology Al-SiC Composite Material Product and Services
 - 9.22.4 Henan Hanyin Optoelectronics Technology Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.22.5 Henan Hanyin Optoelectronics Technology Recent Developments/Updates
 - 9.22.6 Henan Hanyin Optoelectronics Technology Competitive Strengths & Weaknesses
- 9.23 SITRI Material Tech
 - 9.23.1 SITRI Material Tech Details
 - 9.23.2 SITRI Material Tech Major Business
 - 9.23.3 SITRI Material Tech Al-SiC Composite Material Product and Services
 - 9.23.4 SITRI Material Tech Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.23.5 SITRI Material Tech Recent Developments/Updates
- 9.23.6 SITRI Material Tech Competitive Strengths & Weaknesses
- 9.24 Changzhou Taigeer Electronic Materials
 - 9.24.1 Changzhou Taigeer Electronic Materials Details
 - 9.24.2 Changzhou Taigeer Electronic Materials Major Business
 - 9.24.3 Changzhou Taigeer Electronic Materials Al-SiC Composite Material Product and Services
 - 9.24.4 Changzhou Taigeer Electronic Materials Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.24.5 Changzhou Taigeer Electronic Materials Recent Developments/Updates
 - 9.24.6 Changzhou Taigeer Electronic Materials Competitive Strengths & Weaknesses
- 9.25 Zhuhai Kailide New Material
 - 9.25.1 Zhuhai Kailide New Material Details
 - 9.25.2 Zhuhai Kailide New Material Major Business
 - 9.25.3 Zhuhai Kailide New Material Al-SiC Composite Material Product and Services
 - 9.25.4 Zhuhai Kailide New Material Al-SiC Composite Material Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.25.5 Zhuhai Kailide New Material Recent Developments/Updates
 - 9.25.6 Zhuhai Kailide New Material Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Al-SiC Composite Material Industry Chain
- 10.2 Al-SiC Composite Material Upstream Analysis
 - 10.2.1 Al-SiC Composite Material Core Raw Materials
 - 10.2.2 Main Manufacturers of Al-SiC Composite Material Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Al-SiC Composite Material Production Mode
- 10.6 Al-SiC Composite Material Procurement Model
- 10.7 Al-SiC Composite Material Industry Sales Model and Sales Channels
 - 10.7.1 Al-SiC Composite Material Sales Model
 - 10.7.2 Al-SiC Composite Material 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 AI-SiC Composite Material Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World AI-SiC Composite Material Production Value by Region (2021-2026) & (USD Million)

Table 3. World AI-SiC Composite Material Production Value by Region (2027-2032) & (USD Million)

Table 4. World AI-SiC Composite Material Production Value Market Share by Region (2021-2026)

Table 5. World AI-SiC Composite Material Production Value Market Share by Region (2027-2032)

Table 6. World AI-SiC Composite Material Production by Region (2021-2026) & (Tons)

Table 7. World AI-SiC Composite Material Production by Region (2027-2032) & (Tons)

Table 8. World AI-SiC Composite Material Production Market Share by Region (2021-2026)

Table 9. World AI-SiC Composite Material Production Market Share by Region (2027-2032)

Table 10. World AI-SiC Composite Material Average Price by Region (2021-2026) & (US\$/kg)

Table 11. World AI-SiC Composite Material Average Price by Region (2027-2032) & (US\$/kg)

Table 12. AI-SiC Composite Material Major Market Trends

Table 13. World AI-SiC Composite Material Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World AI-SiC Composite Material Consumption by Region (2021-2026) & (Tons)

Table 15. World AI-SiC Composite Material Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World AI-SiC Composite Material Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key AI-SiC Composite Material Producers in 2025

Table 18. World AI-SiC Composite Material Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key AI-SiC Composite Material Producers in 2025

Table 20. World AI-SiC Composite Material Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 21. Global AI-SiC Composite Material Company Evaluation Quadrant

Table 22. World AI-SiC Composite Material Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and AI-SiC Composite Material Production Site of Key Manufacturer

Table 24. AI-SiC Composite Material Market: Company Product Type Footprint

Table 25. AI-SiC Composite Material Market: Company Product Application Footprint

Table 26. AI-SiC Composite Material Competitive Factors

Table 27. AI-SiC Composite Material New Entrant and Capacity Expansion Plans

Table 28. AI-SiC Composite Material Mergers & Acquisitions Activity

Table 29. United States VS China AI-SiC Composite Material Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China AI-SiC Composite Material Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China AI-SiC Composite Material Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based AI-SiC Composite Material Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers AI-SiC Composite Material Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers AI-SiC Composite Material Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers AI-SiC Composite Material Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers AI-SiC Composite Material Production Market Share (2021-2026)

Table 37. China Based AI-SiC Composite Material Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers AI-SiC Composite Material Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers AI-SiC Composite Material Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers AI-SiC Composite Material Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers AI-SiC Composite Material Production Market Share (2021-2026)

Table 42. Rest of World Based AI-SiC Composite Material Manufacturers, Headquarters

and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Al-SiC Composite Material Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Al-SiC Composite Material Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Al-SiC Composite Material Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Al-SiC Composite Material Production Market Share (2021-2026)

Table 47. World Al-SiC Composite Material Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Al-SiC Composite Material Production by Type (2021-2026) & (Tons)

Table 49. World Al-SiC Composite Material Production by Type (2027-2032) & (Tons)

Table 50. World Al-SiC Composite Material Production Value by Type (2021-2026) & (USD Million)

Table 51. World Al-SiC Composite Material Production Value by Type (2027-2032) & (USD Million)

Table 52. World Al-SiC Composite Material Average Price by Type (2021-2026) & (US\$/kg)

Table 53. World Al-SiC Composite Material Average Price by Type (2027-2032) & (US\$/kg)

Table 54. World Al-SiC Composite Material Production Value by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Table 55. World Al-SiC Composite Material Production by Manufacturing Process (2021-2026) & (Tons)

Table 56. World Al-SiC Composite Material Production by Manufacturing Process (2027-2032) & (Tons)

Table 57. World Al-SiC Composite Material Production Value by Manufacturing Process (2021-2026) & (USD Million)

Table 58. World Al-SiC Composite Material Production Value by Manufacturing Process (2027-2032) & (USD Million)

Table 59. World Al-SiC Composite Material Average Price by Manufacturing Process (2021-2026) & (US\$/kg)

Table 60. World Al-SiC Composite Material Average Price by Manufacturing Process (2027-2032) & (US\$/kg)

Table 61. World Al-SiC Composite Material Production Value by Performance Class, (USD Million), 2021 & 2025 & 2032

Table 62. World Al-SiC Composite Material Production by Performance Class (2021-2026) & (Tons)

- Table 63. World Al-SiC Composite Material Production by Performance Class (2027-2032) & (Tons)
- Table 64. World Al-SiC Composite Material Production Value by Performance Class (2021-2026) & (USD Million)
- Table 65. World Al-SiC Composite Material Production Value by Performance Class (2027-2032) & (USD Million)
- Table 66. World Al-SiC Composite Material Average Price by Performance Class (2021-2026) & (US\$/kg)
- Table 67. World Al-SiC Composite Material Average Price by Performance Class (2027-2032) & (US\$/kg)
- Table 68. World Al-SiC Composite Material Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World Al-SiC Composite Material Production by Application (2021-2026) & (Tons)
- Table 70. World Al-SiC Composite Material Production by Application (2027-2032) & (Tons)
- Table 71. World Al-SiC Composite Material Production Value by Application (2021-2026) & (USD Million)
- Table 72. World Al-SiC Composite Material Production Value by Application (2027-2032) & (USD Million)
- Table 73. World Al-SiC Composite Material Average Price by Application (2021-2026) & (US\$/kg)
- Table 74. World Al-SiC Composite Material Average Price by Application (2027-2032) & (US\$/kg)
- Table 75. Denka Basic Information, Manufacturing Base and Competitors
- Table 76. Denka Major Business
- Table 77. Denka Al-SiC Composite Material Product and Services
- Table 78. Denka Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. Denka Recent Developments/Updates
- Table 80. Denka Competitive Strengths & Weaknesses
- Table 81. CPS Technologies Basic Information, Manufacturing Base and Competitors
- Table 82. CPS Technologies Major Business
- Table 83. CPS Technologies Al-SiC Composite Material Product and Services
- Table 84. CPS Technologies Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. CPS Technologies Recent Developments/Updates
- Table 86. CPS Technologies Competitive Strengths & Weaknesses
- Table 87. Materion Basic Information, Manufacturing Base and Competitors

Table 88. Materion Major Business

Table 89. Materion Al-SiC Composite Material Product and Services

Table 90. Materion Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Materion Recent Developments/Updates

Table 92. Materion Competitive Strengths & Weaknesses

Table 93. DWA Aluminum Composites Basic Information, Manufacturing Base and Competitors

Table 94. DWA Aluminum Composites Major Business

Table 95. DWA Aluminum Composites Al-SiC Composite Material Product and Services

Table 96. DWA Aluminum Composites Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. DWA Aluminum Composites Recent Developments/Updates

Table 98. DWA Aluminum Composites Competitive Strengths & Weaknesses

Table 99. Ametek Specially Metal Products Basic Information, Manufacturing Base and Competitors

Table 100. Ametek Specially Metal Products Major Business

Table 101. Ametek Specially Metal Products Al-SiC Composite Material Product and Services

Table 102. Ametek Specially Metal Products Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Ametek Specially Metal Products Recent Developments/Updates

Table 104. Ametek Specially Metal Products Competitive Strengths & Weaknesses

Table 105. Japan Fine Ceramics Basic Information, Manufacturing Base and Competitors

Table 106. Japan Fine Ceramics Major Business

Table 107. Japan Fine Ceramics Al-SiC Composite Material Product and Services

Table 108. Japan Fine Ceramics Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Japan Fine Ceramics Recent Developments/Updates

Table 110. Japan Fine Ceramics Competitive Strengths & Weaknesses

Table 111. Sumitomo Electric (A.L.M.T.) Basic Information, Manufacturing Base and Competitors

Table 112. Sumitomo Electric (A.L.M.T.) Major Business

Table 113. Sumitomo Electric (A.L.M.T.) Al-SiC Composite Material Product and Services

Table 114. Sumitomo Electric (A.L.M.T.) Al-SiC Composite Material Production (Tons),

Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Sumitomo Electric (A.L.M.T.) Recent Developments/Updates

Table 116. Sumitomo Electric (A.L.M.T.) Competitive Strengths & Weaknesses

Table 117. Ferrotec Basic Information, Manufacturing Base and Competitors

Table 118. Ferrotec Major Business

Table 119. Ferrotec Al-SiC Composite Material Product and Services

Table 120. Ferrotec Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Ferrotec Recent Developments/Updates

Table 122. Ferrotec Competitive Strengths & Weaknesses

Table 123. Thermal Transfer Composites Basic Information, Manufacturing Base and Competitors

Table 124. Thermal Transfer Composites Major Business

Table 125. Thermal Transfer Composites Al-SiC Composite Material Product and Services

Table 126. Thermal Transfer Composites Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Thermal Transfer Composites Recent Developments/Updates

Table 128. Thermal Transfer Composites Competitive Strengths & Weaknesses

Table 129. Advanced Cooling Technologies Basic Information, Manufacturing Base and Competitors

Table 130. Advanced Cooling Technologies Major Business

Table 131. Advanced Cooling Technologies Al-SiC Composite Material Product and Services

Table 132. Advanced Cooling Technologies Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Advanced Cooling Technologies Recent Developments/Updates

Table 134. Advanced Cooling Technologies Competitive Strengths & Weaknesses

Table 135. Beijing Baohang Advanced Materials Basic Information, Manufacturing Base and Competitors

Table 136. Beijing Baohang Advanced Materials Major Business

Table 137. Beijing Baohang Advanced Materials Al-SiC Composite Material Product and Services

Table 138. Beijing Baohang Advanced Materials Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 139. Beijing Baohang Advanced Materials Recent Developments/Updates
- Table 140. Beijing Baohang Advanced Materials Competitive Strengths & Weaknesses
- Table 141. Hunan Harvest Basic Information, Manufacturing Base and Competitors
- Table 142. Hunan Harvest Major Business
- Table 143. Hunan Harvest Al-SiC Composite Material Product and Services
- Table 144. Hunan Harvest Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. Hunan Harvest Recent Developments/Updates
- Table 146. Hunan Harvest Competitive Strengths & Weaknesses
- Table 147. Hunan Everrich Composite Basic Information, Manufacturing Base and Competitors
- Table 148. Hunan Everrich Composite Major Business
- Table 149. Hunan Everrich Composite Al-SiC Composite Material Product and Services
- Table 150. Hunan Everrich Composite Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. Hunan Everrich Composite Recent Developments/Updates
- Table 152. Hunan Everrich Composite Competitive Strengths & Weaknesses
- Table 153. Fadi Technology Basic Information, Manufacturing Base and Competitors
- Table 154. Fadi Technology Major Business
- Table 155. Fadi Technology Al-SiC Composite Material Product and Services
- Table 156. Fadi Technology Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. Fadi Technology Recent Developments/Updates
- Table 158. Fadi Technology Competitive Strengths & Weaknesses
- Table 159. Suzhou Han Qi Aviation Technology Basic Information, Manufacturing Base and Competitors
- Table 160. Suzhou Han Qi Aviation Technology Major Business
- Table 161. Suzhou Han Qi Aviation Technology Al-SiC Composite Material Product and Services
- Table 162. Suzhou Han Qi Aviation Technology Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. Suzhou Han Qi Aviation Technology Recent Developments/Updates
- Table 164. Suzhou Han Qi Aviation Technology Competitive Strengths & Weaknesses
- Table 165. Minco Xi'an Microelectronics Materials Basic Information, Manufacturing Base and Competitors
- Table 166. Minco Xi'an Microelectronics Materials Major Business
- Table 167. Minco Xi'an Microelectronics Materials Al-SiC Composite Material Product

and Services

Table 168. Minco Xi'an Microelectronics Materials Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Minco Xi'an Microelectronics Materials Recent Developments/Updates

Table 170. Minco Xi'an Microelectronics Materials Competitive Strengths & Weaknesses

Table 171. Shanghai VISION Basic Information, Manufacturing Base and Competitors

Table 172. Shanghai VISION Major Business

Table 173. Shanghai VISION Al-SiC Composite Material Product and Services

Table 174. Shanghai VISION Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Shanghai VISION Recent Developments/Updates

Table 176. Shanghai VISION Competitive Strengths & Weaknesses

Table 177. Hunan Wenchang New Material Technology Basic Information, Manufacturing Base and Competitors

Table 178. Hunan Wenchang New Material Technology Major Business

Table 179. Hunan Wenchang New Material Technology Al-SiC Composite Material Product and Services

Table 180. Hunan Wenchang New Material Technology Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Hunan Wenchang New Material Technology Recent Developments/Updates

Table 182. Hunan Wenchang New Material Technology Competitive Strengths & Weaknesses

Table 183. Jilin Nstar Metallic Materials Basic Information, Manufacturing Base and Competitors

Table 184. Jilin Nstar Metallic Materials Major Business

Table 185. Jilin Nstar Metallic Materials Al-SiC Composite Material Product and Services

Table 186. Jilin Nstar Metallic Materials Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Jilin Nstar Metallic Materials Recent Developments/Updates

Table 188. Jilin Nstar Metallic Materials Competitive Strengths & Weaknesses

Table 189. Anhui Xiangbang Composite Materials Basic Information, Manufacturing Base and Competitors

Table 190. Anhui Xiangbang Composite Materials Major Business

Table 191. Anhui Xiangbang Composite Materials Al-SiC Composite Material Product

and Services

Table 192. Anhui Xiangbang Composite Materials Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Anhui Xiangbang Composite Materials Recent Developments/Updates

Table 194. Anhui Xiangbang Composite Materials Competitive Strengths & Weaknesses

Table 195. Zhuhai Yiteli New Materials Basic Information, Manufacturing Base and Competitors

Table 196. Zhuhai Yiteli New Materials Major Business

Table 197. Zhuhai Yiteli New Materials Al-SiC Composite Material Product and Services

Table 198. Zhuhai Yiteli New Materials Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 199. Zhuhai Yiteli New Materials Recent Developments/Updates

Table 200. Zhuhai Yiteli New Materials Competitive Strengths & Weaknesses

Table 201. Henan Hanyin Optoelectronics Technology Basic Information, Manufacturing Base and Competitors

Table 202. Henan Hanyin Optoelectronics Technology Major Business

Table 203. Henan Hanyin Optoelectronics Technology Al-SiC Composite Material Product and Services

Table 204. Henan Hanyin Optoelectronics Technology Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 205. Henan Hanyin Optoelectronics Technology Recent Developments/Updates

Table 206. Henan Hanyin Optoelectronics Technology Competitive Strengths & Weaknesses

Table 207. SITRI Material Tech Basic Information, Manufacturing Base and Competitors

Table 208. SITRI Material Tech Major Business

Table 209. SITRI Material Tech Al-SiC Composite Material Product and Services

Table 210. SITRI Material Tech Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 211. SITRI Material Tech Recent Developments/Updates

Table 212. SITRI Material Tech Competitive Strengths & Weaknesses

Table 213. Changzhou Taigeer Electronic Materials Basic Information, Manufacturing Base and Competitors

Table 214. Changzhou Taigeer Electronic Materials Major Business

Table 215. Changzhou Taigeer Electronic Materials Al-SiC Composite Material Product and Services

Table 216. Changzhou Taigeer Electronic Materials Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 217. Changzhou Taigeer Electronic Materials Recent Developments/Updates

Table 218. Changzhou Taigeer Electronic Materials Competitive Strengths & Weaknesses

Table 219. Zhuhai Kailide New Material Basic Information, Manufacturing Base and Competitors

Table 220. Zhuhai Kailide New Material Major Business

Table 221. Zhuhai Kailide New Material Al-SiC Composite Material Product and Services

Table 222. Zhuhai Kailide New Material Al-SiC Composite Material Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 223. Zhuhai Kailide New Material Recent Developments/Updates

Table 224. Zhuhai Kailide New Material Competitive Strengths & Weaknesses

Table 225. Global Key Players of Al-SiC Composite Material Upstream (Raw Materials)

Table 226. Global Al-SiC Composite Material Typical Customers

Table 227. Al-SiC Composite Material Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Al-SiC Composite Material Picture

Figure 2. World Al-SiC Composite Material Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Al-SiC Composite Material Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Al-SiC Composite Material Production (2021-2032) & (Tons)

Figure 5. World Al-SiC Composite Material Average Price (2021-2032) & (US\$/kg)

Figure 6. World Al-SiC Composite Material Production Value Market Share by Region (2021-2032)

Figure 7. World Al-SiC Composite Material Production Market Share by Region (2021-2032)

Figure 8. North America Al-SiC Composite Material Production (2021-2032) & (Tons)

Figure 9. Europe Al-SiC Composite Material Production (2021-2032) & (Tons)

Figure 10. China Al-SiC Composite Material Production (2021-2032) & (Tons)

Figure 11. Japan Al-SiC Composite Material Production (2021-2032) & (Tons)

Figure 12. Al-SiC Composite Material Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 15. World Al-SiC Composite Material Consumption Market Share by Region (2021-2032)

Figure 16. United States Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 17. China Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 18. Europe Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 19. Japan Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 20. South Korea Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 21. ASEAN Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 22. India Al-SiC Composite Material Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of Al-SiC Composite Material by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Al-SiC Composite Material Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Al-SiC Composite Material Markets in 2025

Figure 26. United States VS China: Al-SiC Composite Material Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Al-SiC Composite Material Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Al-SiC Composite Material Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Al-SiC Composite Material Production Market Share 2025

Figure 30. China Based Manufacturers Al-SiC Composite Material Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Al-SiC Composite Material Production Market Share 2025

Figure 32. World Al-SiC Composite Material Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Al-SiC Composite Material Production Value Market Share by Type in 2025

Figure 34. SiC Volume Fraction 5%-30%

Figure 35. SiC Volume Fraction 35%-50%

Figure 36. SiC Volume Fraction 55%-70%

Figure 37. World Al-SiC Composite Material Production Market Share by Type (2021-2032)

Figure 38. World Al-SiC Composite Material Production Value Market Share by Type (2021-2032)

Figure 39. World Al-SiC Composite Material Average Price by Type (2021-2032) & (US\$/kg)

Figure 40. World Al-SiC Composite Material Production Value by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Figure 41. World Al-SiC Composite Material Production Value Market Share by Manufacturing Process in 2025

Figure 42. Pressure Infiltration Casting

Figure 43. Powder Metallurgy

Figure 44. Other

Figure 45. World Al-SiC Composite Material Production Market Share by Manufacturing Process (2021-2032)

Figure 46. World Al-SiC Composite Material Production Value Market Share by Manufacturing Process (2021-2032)

Figure 47. World Al-SiC Composite Material Average Price by Manufacturing Process (2021-2032) & (US\$/kg)

Figure 48. World Al-SiC Composite Material Production Value by Performance Class, (USD Million), 2021 & 2025 & 2032

Figure 49. World Al-SiC Composite Material Production Value Market Share by

Performance Class in 2025

Figure 50. Standard Thermal-Management Grade

Figure 51. Power Electronics Grade

Figure 52. Aerospace Grade

Figure 53. Other

Figure 54. World AI-SiC Composite Material Production Market Share by Performance Class (2021-2032)

Figure 55. World AI-SiC Composite Material Production Value Market Share by Performance Class (2021-2032)

Figure 56. World AI-SiC Composite Material Average Price by Performance Class (2021-2032) & (US\$/kg)

Figure 57. World AI-SiC Composite Material Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 58. World AI-SiC Composite Material Production Value Market Share by Application in 2025

Figure 59. Semiconductor

Figure 60. Aerospace and Defense

Figure 61. Rail Transit and Automotive

Figure 62. 5G

Figure 63. Other

Figure 64. World AI-SiC Composite Material Production Market Share by Application (2021-2032)

Figure 65. World AI-SiC Composite Material Production Value Market Share by Application (2021-2032)

Figure 66. World AI-SiC Composite Material Average Price by Application (2021-2032) & (US\$/kg)

Figure 67. AI-SiC Composite Material Industry Chain

Figure 68. AI-SiC Composite Material Procurement Model

Figure 69. AI-SiC Composite Material Sales Model

Figure 70. AI-SiC Composite Material Sales Channels, Direct Sales, and Distribution

Figure 71. Methodology

Figure 72. Research Process and Data Source

I would like to order

Product name: Global AI-SiC Composite Material Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GE490D690C3AEN.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/GE490D690C3AEN.html>