+357 96 030922
info@marketpublishers.com

Global Semi-Insulating Silicon Carbide Single Crystal Substrate Supply, Demand and Key Producers, 2024-2030

https://marketpublishers.com/r/GFBFF1AB0652EN.html
Date: March 2024
Pages: 134
Price: US$ 4,480.00 (Single User License)
ID: GFBFF1AB0652EN

Abstracts

The global Semi-Insulating Silicon Carbide Single Crystal Substrate market size is expected to reach $ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

Semi-insulating silicon carbide single crystal substrate is a silicon carbide material with high purity and high resistivity. It can be used to make high-frequency and high-power microwave radio frequency devices, such as gallium nitride (GaN) heterojunction fields. effect transistor (HEMT). The preparation of semi-insulating silicon carbide single crystal substrates is difficult. It requires growing silicon carbide ingots through physical vapor transport (PVT) in a full vacuum environment, and then processing them into substrate wafers through cutting, grinding, polishing and other processes. The advantage of the semi-insulating silicon carbide single crystal substrate is that it can effectively reduce the parasitic capacitance and inductance of microwave devices, improve the frequency response and output power of the device, and also improve the thermal stability and reliability of the device. Semi-insulating silicon carbide single crystal substrate has wide application prospects in radio detection, communications, radar, aerospace and other fields.

This report studies the global Semi-Insulating Silicon Carbide Single Crystal Substrate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semi-Insulating Silicon Carbide Single Crystal Substrate, and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of

+357 96 030922
info@marketpublishers.com

Semi-Insulating Silicon Carbide Single Crystal Substrate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semi-Insulating Silicon Carbide Single Crystal Substrate total production and demand, 2019-2030, (K Units)

Global Semi-Insulating Silicon Carbide Single Crystal Substrate total production value, 2019-2030, (USD Million)

Global Semi-Insulating Silicon Carbide Single Crystal Substrate production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Semi-Insulating Silicon Carbide Single Crystal Substrate consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate domestic production, consumption, key domestic manufacturers and share

Global Semi-Insulating Silicon Carbide Single Crystal Substrate production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Semi-Insulating Silicon Carbide Single Crystal Substrate production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Semi-Insulating Silicon Carbide Single Crystal Substrate production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Semi-Insulating Silicon Carbide Single Crystal Substrate 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 Wolfspeed, Coherent, Showa Denko, Nitride Crystals, Suzhou Hengmairui Material Technology, II-VI, Norstel, SiCrystal and TankeBlue, etc.

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

+357 96 030922
info@marketpublishers.com

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Semi-Insulating Silicon Carbide Single Crystal Substrate market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Semi-Insulating Silicon Carbide Single Crystal Substrate Market, By Region:

- United States
- China
- Europe
- Japan
- South Korea
- ASEAN
- India
- Rest of World

Global Semi-Insulating Silicon Carbide Single Crystal Substrate Market, Segmentation by Type

- Intrinsic Type
- Extrinsic

+357 96 030922
info@marketpublishers.com

Global Semi-Insulating Silicon Carbide Single Crystal Substrate Market, Segmentation by Application

- Communications Industry
- Radar Industry
- Aerospace Industry
- Others

Companies Profiled:

- Wolfspeed
- Coherent
- Showa Denko
- Nitride Crystals
- Suzhou Hengmairui Material Technology
- II-VI
- Norstel
- SiCrystal
- TankeBlue
- Dow Corning
- SICC Materials
- X-FAB
- Nippon Steel

+357 96 030922
info@marketpublishers.com

Key Questions Answered

1. How big is the global Semi-Insulating Silicon Carbide Single Crystal Substrate market?

2. What is the demand of the global Semi-Insulating Silicon Carbide Single Crystal Substrate market?

3. What is the year over year growth of the global Semi-Insulating Silicon Carbide Single Crystal Substrate market?

4. What is the production and production value of the global Semi-Insulating Silicon Carbide Single Crystal Substrate market?

5. Who are the key producers in the global Semi-Insulating Silicon Carbide Single Crystal Substrate market?

+357 96 030922
info@marketpublishers.com

Contents

1 SUPPLY SUMMARY

1.1 Semi-Insulating Silicon Carbide Single Crystal Substrate Introduction
1.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Supply & Forecast
  1.2.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value (2019 & 2023 & 2030)
  1.2.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030)
  1.2.3 World Semi-Insulating Silicon Carbide Single Crystal Substrate Pricing Trends (2019-2030)
1.3 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Region (Based on Production Site)
  1.3.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Region (2019-2030)
  1.3.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Region (2019-2030)
  1.3.3 World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Region (2019-2030)
  1.3.4 North America Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030)
  1.3.5 Europe Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030)
  1.3.6 China Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030)
  1.3.7 Japan Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030)
  1.3.8 South Korea Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030)
1.4 Market Drivers, Restraints and Trends
  1.4.1 Semi-Insulating Silicon Carbide Single Crystal Substrate Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 Semi-Insulating Silicon Carbide Single Crystal Substrate Major Market Trends

2 DEMAND SUMMARY

2.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Demand (2019-2030)

+357 96 030922
info@marketpublishers.com

2.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption by Region
2.2.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption by Region (2019-2024)
2.2.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Forecast by Region (2025-2030)
2.3 United States Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)
2.4 China Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)
2.5 Europe Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)
2.6 Japan Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)
2.7 South Korea Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)
2.8 ASEAN Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)
2.9 India Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030)

3 WORLD SEMI-INSULATING SILICON CARBIDE SINGLE CRYSTAL SUBSTRATE MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Manufacturer (2019-2024)
3.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Manufacturer (2019-2024)
3.3 World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Manufacturer (2019-2024)
3.4 Semi-Insulating Silicon Carbide Single Crystal Substrate Company Evaluation Quadrant
3.5 Industry Rank and Concentration Rate (CR)
3.5.1 Global Semi-Insulating Silicon Carbide Single Crystal Substrate Industry Rank of Major Manufacturers
3.5.2 Global Concentration Ratios (CR4) for Semi-Insulating Silicon Carbide Single Crystal Substrate in 2023
3.5.3 Global Concentration Ratios (CR8) for Semi-Insulating Silicon Carbide Single Crystal Substrate in 2023

+357 96 030922
info@marketpublishers.com

3.6 Semi-Insulating Silicon Carbide Single Crystal Substrate Market: Overall Company Footprint Analysis
3.6.1 Semi-Insulating Silicon Carbide Single Crystal Substrate Market: Region Footprint
3.6.2 Semi-Insulating Silicon Carbide Single Crystal Substrate Market: Company Product Type Footprint
3.6.3 Semi-Insulating Silicon Carbide Single Crystal Substrate 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: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Comparison
4.1.1 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Comparison (2019 & 2023 & 2030)
4.1.2 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share Comparison (2019 & 2023 & 2030)
4.2 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Comparison
4.2.1 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Comparison (2019 & 2023 & 2030)
4.2.2 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share Comparison (2019 & 2023 & 2030)
4.3 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Comparison
4.3.1 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Comparison (2019 & 2023 & 2030)
4.3.2 United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Market Share Comparison (2019 & 2023 & 2030)
4.4 United States Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers and Market Share, 2019-2024
4.4.1 United States Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers, Headquarters and Production Site (States, Country)

+357 96 030922
info@marketpublishers.com

4.4.2 United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value (2019-2024)
4.4.3 United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2024)
4.5 China Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers and Market Share
4.5.1 China Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers, Headquarters and Production Site (Province, Country)
4.5.2 China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value (2019-2024)
4.5.3 China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2024)
4.6 Rest of World Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers and Market Share, 2019-2024
4.6.1 Rest of World Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value (2019-2024)
4.6.3 Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2024)

5 MARKET ANALYSIS BY TYPE

5.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Market Size Overview by Type: 2019 VS 2023 VS 2030
5.2 Segment Introduction by Type
5.2.1 Intrinsic Type
5.2.2 Extrinsic
5.3 Market Segment by Type
5.3.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Type (2019-2030)
5.3.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Type (2019-2030)
5.3.3 World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Type (2019-2030)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Market Size

+357 96 030922
info@marketpublishers.com

Overview by Application: 2019 VS 2023 VS 2030
6.2 Segment Introduction by Application
6.2.1 Communications Industry
6.2.2 Radar Industry
6.2.3 Aerospace Industry
6.2.4 Others
6.3 Market Segment by Application
6.3.1 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Application (2019-2030)
6.3.2 World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Application (2019-2030)
6.3.3 World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Application (2019-2030)

7 COMPANY PROFILES

7.1 Wolfspeed
7.1.1 Wolfspeed Details
7.1.2 Wolfspeed Major Business
7.1.3 Wolfspeed Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.1.4 Wolfspeed Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.1.5 Wolfspeed Recent Developments/Updates
7.1.6 Wolfspeed Competitive Strengths & Weaknesses
7.2 Coherent
7.2.1 Coherent Details
7.2.2 Coherent Major Business
7.2.3 Coherent Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.2.4 Coherent Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.2.5 Coherent Recent Developments/Updates
7.2.6 Coherent Competitive Strengths & Weaknesses
7.3 Showa Denko
7.3.1 Showa Denko Details
7.3.2 Showa Denko Major Business
7.3.3 Showa Denko Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services

+357 96 030922
info@marketpublishers.com

7.3.4 Showa Denko Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.3.5 Showa Denko Recent Developments/Updates
7.3.6 Showa Denko Competitive Strengths & Weaknesses
7.4 Nitride Crystals
7.4.1 Nitride Crystals Details
7.4.2 Nitride Crystals Major Business
7.4.3 Nitride Crystals Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.4.4 Nitride Crystals Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.4.5 Nitride Crystals Recent Developments/Updates
7.4.6 Nitride Crystals Competitive Strengths & Weaknesses
7.5 Suzhou Hengmairui Material Technology
7.5.1 Suzhou Hengmairui Material Technology Details
7.5.2 Suzhou Hengmairui Material Technology Major Business
7.5.3 Suzhou Hengmairui Material Technology Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.5.4 Suzhou Hengmairui Material Technology Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.5.5 Suzhou Hengmairui Material Technology Recent Developments/Updates
7.5.6 Suzhou Hengmairui Material Technology Competitive Strengths & Weaknesses
7.6 II-VI
7.6.1 II-VI Details
7.6.2 II-VI Major Business
7.6.3 II-VI Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.6.4 II-VI Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.6.5 II-VI Recent Developments/Updates
7.6.6 II-VI Competitive Strengths & Weaknesses
7.7 Norstel
7.7.1 Norstel Details
7.7.2 Norstel Major Business
7.7.3 Norstel Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.7.4 Norstel Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)

+357 96 030922
info@marketpublishers.com

7.7.5 Norstel Recent Developments/Updates
7.7.6 Norstel Competitive Strengths & Weaknesses
7.8 SiCrystal
7.8.1 SiCrystal Details
7.8.2 SiCrystal Major Business
7.8.3 SiCrystal Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.8.4 SiCrystal Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.8.5 SiCrystal Recent Developments/Updates
7.8.6 SiCrystal Competitive Strengths & Weaknesses
7.9 TankeBlue
7.9.1 TankeBlue Details
7.9.2 TankeBlue Major Business
7.9.3 TankeBlue Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.9.4 TankeBlue Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.9.5 TankeBlue Recent Developments/Updates
7.9.6 TankeBlue Competitive Strengths & Weaknesses
7.10 Dow Corning
7.10.1 Dow Corning Details
7.10.2 Dow Corning Major Business
7.10.3 Dow Corning Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.10.4 Dow Corning Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.10.5 Dow Corning Recent Developments/Updates
7.10.6 Dow Corning Competitive Strengths & Weaknesses
7.11 SICC Materials
7.11.1 SICC Materials Details
7.11.2 SICC Materials Major Business
7.11.3 SICC Materials Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.11.4 SICC Materials Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.11.5 SICC Materials Recent Developments/Updates
7.11.6 SICC Materials Competitive Strengths & Weaknesses
7.12 X-FAB

+357 96 030922
info@marketpublishers.com

7.12.1 X-FAB Details
7.12.2 X-FAB Major Business
7.12.3 X-FAB Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.12.4 X-FAB Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.12.5 X-FAB Recent Developments/Updates
7.12.6 X-FAB Competitive Strengths & Weaknesses
7.13 Nippon Steel
7.13.1 Nippon Steel Details
7.13.2 Nippon Steel Major Business
7.13.3 Nippon Steel Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
7.13.4 Nippon Steel Semi-Insulating Silicon Carbide Single Crystal Substrate Production, Price, Value, Gross Margin and Market Share (2019-2024)
7.13.5 Nippon Steel Recent Developments/Updates
7.13.6 Nippon Steel Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Semi-Insulating Silicon Carbide Single Crystal Substrate Industry Chain
8.2 Semi-Insulating Silicon Carbide Single Crystal Substrate Upstream Analysis
8.2.1 Semi-Insulating Silicon Carbide Single Crystal Substrate Core Raw Materials
8.2.2 Main Manufacturers of Semi-Insulating Silicon Carbide Single Crystal Substrate Core Raw Materials
8.3 Midstream Analysis
8.4 Downstream Analysis
8.5 Semi-Insulating Silicon Carbide Single Crystal Substrate Production Mode
8.6 Semi-Insulating Silicon Carbide Single Crystal Substrate Procurement Model
8.7 Semi-Insulating Silicon Carbide Single Crystal Substrate Industry Sales Model and Sales Channels
8.7.1 Semi-Insulating Silicon Carbide Single Crystal Substrate Sales Model
8.7.2 Semi-Insulating Silicon Carbide Single Crystal Substrate Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

+357 96 030922
info@marketpublishers.com

10.2 Research Process and Data Source
10.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Region (2019, 2023 and 2030) & (USD Million)
Table 2. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Region (2019-2024) & (USD Million)
Table 3. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Region (2025-2030) & (USD Million)
Table 4. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Region (2019-2024)
Table 5. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Region (2025-2030)
Table 6. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Region (2019-2024) & (K Units)
Table 7. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Region (2025-2030) & (K Units)
Table 8. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share by Region (2019-2024)
Table 9. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share by Region (2025-2030)
Table 10. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Region (2019-2024) & (US$/Unit)
Table 11. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Region (2025-2030) & (US$/Unit)
Table 12. Semi-Insulating Silicon Carbide Single Crystal Substrate Major Market Trends
Table 13. World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Growth Rate Forecast by Region (2019 & 2023 & 2030) & (K Units)
Table 14. World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption by Region (2019-2024) & (K Units)
Table 15. World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Forecast by Region (2025-2030) & (K Units)
Table 16. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Manufacturer (2019-2024) & (USD Million)
Table 17. Production Value Market Share of Key Semi-Insulating Silicon Carbide Single Crystal Substrate Producers in 2023
Table 18. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Manufacturer (2019-2024) & (K Units)

+357 96 030922
info@marketpublishers.com

Table 19. Production Market Share of Key Semi-Insulating Silicon Carbide Single Crystal Substrate Producers in 2023
Table 20. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Manufacturer (2019-2024) & (US$/Unit)
Table 21. Global Semi-Insulating Silicon Carbide Single Crystal Substrate Company Evaluation Quadrant
Table 22. World Semi-Insulating Silicon Carbide Single Crystal Substrate Industry Rank of Major Manufacturers, Based on Production Value in 2023
Table 23. Head Office and Semi-Insulating Silicon Carbide Single Crystal Substrate Production Site of Key Manufacturer
Table 24. Semi-Insulating Silicon Carbide Single Crystal Substrate Market: Company Product Type Footprint
Table 25. Semi-Insulating Silicon Carbide Single Crystal Substrate Market: Company Product Application Footprint
Table 26. Semi-Insulating Silicon Carbide Single Crystal Substrate Competitive Factors
Table 27. Semi-Insulating Silicon Carbide Single Crystal Substrate New Entrant and Capacity Expansion Plans
Table 28. Semi-Insulating Silicon Carbide Single Crystal Substrate Mergers & Acquisitions Activity
Table 29. United States VS China Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Comparison, (2019 & 2023 & 2030) & (USD Million)
Table 30. United States VS China Semi-Insulating Silicon Carbide Single Crystal Substrate Production Comparison, (2019 & 2023 & 2030) & (K Units)
Table 31. United States VS China Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Comparison, (2019 & 2023 & 2030) & (K Units)
Table 32. United States Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value, (2019-2024) & (USD Million)
Table 34. United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share (2019-2024)
Table 35. United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2024) & (K Units)
Table 36. United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share (2019-2024)
Table 37. China Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value, (2019-2024) & (USD Million)

+357 96 030922
info@marketpublishers.com

Table 39. China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share (2019-2024)
Table 40. China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2024) & (K Units)
Table 41. China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share (2019-2024)
Table 42. Rest of World Based Semi-Insulating Silicon Carbide Single Crystal Substrate Manufacturers, Headquarters and Production Site (States, Country)
Table 43. Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value, (2019-2024) & (USD Million)
Table 44. Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share (2019-2024)
Table 45. Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2024) & (K Units)
Table 46. Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share (2019-2024)
Table 47. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Type, (USD Million), 2019 & 2023 & 2030
Table 48. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Type (2019-2024) & (K Units)
Table 49. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Type (2025-2030) & (K Units)
Table 50. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Type (2019-2024) & (USD Million)
Table 51. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Type (2025-2030) & (USD Million)
Table 52. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Type (2019-2024) & (US$/Unit)
Table 53. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Type (2025-2030) & (US$/Unit)
Table 54. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Application, (USD Million), 2019 & 2023 & 2030
Table 55. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Application (2019-2024) & (K Units)
Table 56. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production by Application (2025-2030) & (K Units)
Table 57. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Application (2019-2024) & (USD Million)
Table 58. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production

+357 96 030922
info@marketpublishers.com

Value by Application (2025-2030) & (USD Million)
Table 59. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Application (2019-2024) & (US$/Unit)
Table 60. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Application (2025-2030) & (US$/Unit)
Table 61. Wolfspeed Basic Information, Manufacturing Base and Competitors
Table 62. Wolfspeed Major Business
Table 63. Wolfspeed Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 64. Wolfspeed Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 65. Wolfspeed Recent Developments/Updates
Table 66. Wolfspeed Competitive Strengths & Weaknesses
Table 67. Coherent Basic Information, Manufacturing Base and Competitors
Table 68. Coherent Major Business
Table 69. Coherent Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 70. Coherent Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 71. Coherent Recent Developments/Updates
Table 72. Coherent Competitive Strengths & Weaknesses
Table 73. Showa Denko Basic Information, Manufacturing Base and Competitors
Table 74. Showa Denko Major Business
Table 75. Showa Denko Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 76. Showa Denko Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 77. Showa Denko Recent Developments/Updates
Table 78. Showa Denko Competitive Strengths & Weaknesses
Table 79. Nitride Crystals Basic Information, Manufacturing Base and Competitors
Table 80. Nitride Crystals Major Business
Table 81. Nitride Crystals Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 82. Nitride Crystals Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

+357 96 030922
info@marketpublishers.com

Table 83. Nitride Crystals Recent Developments/Updates
Table 84. Nitride Crystals Competitive Strengths & Weaknesses
Table 85. Suzhou Hengmairui Material Technology Basic Information, Manufacturing Base and Competitors
Table 86. Suzhou Hengmairui Material Technology Major Business
Table 87. Suzhou Hengmairui Material Technology Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 88. Suzhou Hengmairui Material Technology Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 89. Suzhou Hengmairui Material Technology Recent Developments/Updates
Table 90. Suzhou Hengmairui Material Technology Competitive Strengths & Weaknesses
Table 91. II-VI Basic Information, Manufacturing Base and Competitors
Table 92. II-VI Major Business
Table 93. II-VI Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 94. II-VI Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 95. II-VI Recent Developments/Updates
Table 96. II-VI Competitive Strengths & Weaknesses
Table 97. Norstel Basic Information, Manufacturing Base and Competitors
Table 98. Norstel Major Business
Table 99. Norstel Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 100. Norstel Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 101. Norstel Recent Developments/Updates
Table 102. Norstel Competitive Strengths & Weaknesses
Table 103. SiCrystal Basic Information, Manufacturing Base and Competitors
Table 104. SiCrystal Major Business
Table 105. SiCrystal Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 106. SiCrystal Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 107. SiCrystal Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

Table 108. SiCrystal Competitive Strengths & Weaknesses
Table 109. TankeBlue Basic Information, Manufacturing Base and Competitors
Table 110. TankeBlue Major Business
Table 111. TankeBlue Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 112. TankeBlue Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 113. TankeBlue Recent Developments/Updates
Table 114. TankeBlue Competitive Strengths & Weaknesses
Table 115. Dow Corning Basic Information, Manufacturing Base and Competitors
Table 116. Dow Corning Major Business
Table 117. Dow Corning Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 118. Dow Corning Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 119. Dow Corning Recent Developments/Updates
Table 120. Dow Corning Competitive Strengths & Weaknesses
Table 121. SICC Materials Basic Information, Manufacturing Base and Competitors
Table 122. SICC Materials Major Business
Table 123. SICC Materials Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 124. SICC Materials Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 125. SICC Materials Recent Developments/Updates
Table 126. SICC Materials Competitive Strengths & Weaknesses
Table 127. X-FAB Basic Information, Manufacturing Base and Competitors
Table 128. X-FAB Major Business
Table 129. X-FAB Semi-Insulating Silicon Carbide Single Crystal Substrate Product and Services
Table 130. X-FAB Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 131. X-FAB Recent Developments/Updates
Table 132. Nippon Steel Basic Information, Manufacturing Base and Competitors
Table 133. Nippon Steel Major Business
Table 134. Nippon Steel Semi-Insulating Silicon Carbide Single Crystal Substrate

+357 96 030922
info@marketpublishers.com

Product and Services
Table 135. Nippon Steel Semi-Insulating Silicon Carbide Single Crystal Substrate Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
Table 136. Global Key Players of Semi-Insulating Silicon Carbide Single Crystal Substrate Upstream (Raw Materials)
Table 137. Semi-Insulating Silicon Carbide Single Crystal Substrate Typical Customers
Table 138. Semi-Insulating Silicon Carbide Single Crystal Substrate Typical Distributors

LIST OF FIGURE

Figure 1. Semi-Insulating Silicon Carbide Single Crystal Substrate Picture
Figure 2. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value: 2019 & 2023 & 2030, (USD Million)
Figure 3. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value and Forecast (2019-2030) & (USD Million)
Figure 4. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030) & (K Units)
Figure 5. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price (2019-2030) & (US$/Unit)
Figure 6. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Region (2019-2030)
Figure 7. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share by Region (2019-2030)
Figure 8. North America Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030) & (K Units)
Figure 9. Europe Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030) & (K Units)
Figure 10. China Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030) & (K Units)
Figure 11. Japan Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030) & (K Units)
Figure 12. South Korea Semi-Insulating Silicon Carbide Single Crystal Substrate Production (2019-2030) & (K Units)
Figure 13. Semi-Insulating Silicon Carbide Single Crystal Substrate Market Drivers
Figure 14. Factors Affecting Demand
Figure 15. World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 16. World Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption

+357 96 030922
info@marketpublishers.com

Market Share by Region (2019-2030)
Figure 17. United States Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 18. China Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 19. Europe Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 20. Japan Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 21. South Korea Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 22. ASEAN Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 23. India Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption (2019-2030) & (K Units)
Figure 24. Producer Shipments of Semi-Insulating Silicon Carbide Single Crystal Substrate by Manufacturer Revenue ($MM) and Market Share (%): 2023
Figure 25. Global Four-firm Concentration Ratios (CR4) for Semi-Insulating Silicon Carbide Single Crystal Substrate Markets in 2023
Figure 26. Global Four-firm Concentration Ratios (CR8) for Semi-Insulating Silicon Carbide Single Crystal Substrate Markets in 2023
Figure 27. United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share Comparison (2019 & 2023 & 2030)
Figure 28. United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share Comparison (2019 & 2023 & 2030)
Figure 29. United States VS China: Semi-Insulating Silicon Carbide Single Crystal Substrate Consumption Market Share Comparison (2019 & 2023 & 2030)
Figure 30. United States Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share 2023
Figure 31. China Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share 2023
Figure 32. Rest of World Based Manufacturers Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share 2023
Figure 33. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Type, (USD Million), 2019 & 2023 & 2030
Figure 34. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Type in 2023
Figure 35. Intrinsic Type
Figure 36. Extrinsic

+357 96 030922
info@marketpublishers.com

Figure 37. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share by Type (2019-2030)
Figure 38. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Type (2019-2030)
Figure 39. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Type (2019-2030) & (US$/Unit)
Figure 40. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value by Application, (USD Million), 2019 & 2023 & 2030
Figure 41. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Application in 2023
Figure 42. Communications Industry
Figure 43. Radar Industry
Figure 44. Aerospace Industry
Figure 45. Others
Figure 46. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Market Share by Application (2019-2030)
Figure 47. World Semi-Insulating Silicon Carbide Single Crystal Substrate Production Value Market Share by Application (2019-2030)
Figure 48. World Semi-Insulating Silicon Carbide Single Crystal Substrate Average Price by Application (2019-2030) & (US$/Unit)
Figure 49. Semi-Insulating Silicon Carbide Single Crystal Substrate Industry Chain
Figure 50. Semi-Insulating Silicon Carbide Single Crystal Substrate Procurement Model
Figure 51. Semi-Insulating Silicon Carbide Single Crystal Substrate Sales Model
Figure 52. Semi-Insulating Silicon Carbide Single Crystal Substrate Sales Channels, Direct Sales, and Distribution
Figure 53. Methodology
Figure 54. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Semi-Insulating Silicon Carbide Single Crystal Substrate Supply, Demand and Key Producers, 2024-2030

Product link: https://marketpublishers.com/r/GFBFF1AB0652EN.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/GFBFF1AB0652EN.html