

Global High-purity Silicon Carbide Powder for Wafer Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global High-purity Silicon Carbide Powder for Wafer market size is expected to reach \$ 480.5 million by 2029, rising at a market growth of 15.6% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of High-purity Silicon Carbide Powder for Wafer are Wolfspeed, Coherent Corp., SK Siltron, SiCrystal and Resonac, which make up about 85%. Among them, Wolfspeed is the leader with about 31% market share.

North America is the largest market, with a share about 67%, followed by Europe and Asia-Pacific, with the share about 14% and 20%. In terms of product type, SHS Method occupy the largest share of the total market, about 98%. And in terms of product Application, the largest application is 4 Inch Wafer, followed by 6 Inch Wafer.

Silicon carbide powder were synthesized by mixing high-purity silicon powder and high-purity carbon powder in a certain proportion at a high temperature. After crushing, cleaning and other processes, high-purity silicon carbide powder is got and can be used in semiconductor and electronic applications. Particularly suitable for PVT crystal growth for Silicon Carbide wafer manufacturing.

In the report, high-purity silicon carbide powder with the purity no less than 5N is researched. Presently, high-purity silicon carbide powder for wafer is mainly produced by silicon carbide wafer manufacturers to cater to their own demand, as the powder is the raw material of silicon carbide crystal. Few of those silicon carbide wafer manufacturers sell silicon carbide powder to the market.

This report studies the global High-purity Silicon Carbide Powder for Wafer production,

demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High-purity Silicon Carbide Powder for Wafer, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of High-purity Silicon Carbide Powder for Wafer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High-purity Silicon Carbide Powder for Wafer total production and demand, 2018-2029, (MT)

Global High-purity Silicon Carbide Powder for Wafer total production value, 2018-2029, (USD Million)

Global High-purity Silicon Carbide Powder for Wafer production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global High-purity Silicon Carbide Powder for Wafer consumption by region & country, CAGR, 2018-2029 & (MT)

U.S. VS China: High-purity Silicon Carbide Powder for Wafer domestic production, consumption, key domestic manufacturers and share

Global High-purity Silicon Carbide Powder for Wafer production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MT)

Global High-purity Silicon Carbide Powder for Wafer production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global High-purity Silicon Carbide Powder for Wafer production by Application production, value, CAGR, 2018-2029, (USD Million) & (MT).

This reports profiles key players in the global High-purity Silicon Carbide Powder for Wafer 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 Corp., SK Siltron, SiCrystal, Resonac, STMicroelectronics, TankeBlue, SICC and HebHebei Synlight Semiconductor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High-purity Silicon Carbide Powder for Wafer market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (US\$/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global High-purity Silicon Carbide Powder for Wafer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High-purity Silicon Carbide Powder for Wafer Market, Segmentation by Type

SHS Method

Acheson Method

CVD Method

Global High-purity Silicon Carbide Powder for Wafer Market, Segmentation by Application

4 Inch

6 Inch

8 Inch

Companies Profiled:

Wolfspeed

Coherent Corp.

SK Siltron

SiCrystal

Resonac

STMicroelectronics

TankeBlue

SICC

HebHebei Synlight Semiconductor

Shanxi Semisic Crystal

Fiven

Pacific Rundum

Key Questions Answered

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

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