

Global SiO/C Anode Material Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global SiO/C Anode Material market size is expected to reach \$ 2062 million by 2032, rising at a market growth of 30.3% CAGR during the forecast period (2026-2032).

SiO/C Anode Material is an advanced lithium-ion battery anode material formed by combining silicon oxide with carbon to enhance energy density, cycling stability and structural integrity while effectively mitigating silicon expansion during lithiation, making it suitable for high-end consumer electronics and electric vehicle battery applications. In 2025, production was 19,632 tons and the average price was USD 16,300 per ton. The industry's capacity utilization rate in 2025 was about 70% and the average gross margin was around 29%. Upstream, key raw materials include high purity metallurgical silicon powder and high purity silica, with representative suppliers such as Elkem, Ferroglobe, Evonik, Cabot and GCL Group providing core inputs. The midstream segment focuses on silicon oxide precursor modification, carbon coating engineering, nano-composite structure design, particle size and morphology control, slurry formulation optimization and electrode integration processes, which together determine electrochemical performance, conductivity and long-term cycling durability.

Downstream, Silicon Oxide Carbon Composite Anode Material SiO/C Anode Material is widely used in consumer electronics batteries and power batteries, with representative customers including Samsung Electronics, Contemporary Amperex Technology Co., Limited, BYD Company Limited, LG Energy Solution and Panasonic.

SiO/C anode materials have carved out a pragmatic pathway for next-generation batteries, primarily within high-end consumer electronics and premium electric vehicles. By effectively buffering silicon's massive volume expansion, they offer a crucial balance between energy density and cycle stability that pure silicon lacks. However, the industry is currently navigating significant hurdles, including low initial coulombic efficiency and

complex, expensive pre-lithiation requirements. While leading manufacturers are accelerating commercialization, the material's future market penetration will ultimately depend on whether its performance gains can justify the persistent cost premiums over traditional graphite anodes.

This report studies the global SiO/C Anode Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for SiO/C Anode 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 SiO/C Anode Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global SiO/C Anode Material total production and demand, 2021-2032, (Tonnes)

Global SiO/C Anode Material total production value, 2021-2032, (USD Million)

Global SiO/C Anode Material production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tonnes), (based on production site)

Global SiO/C Anode Material consumption by region & country, CAGR, 2021-2032 & (Tonnes)

U.S. VS China: SiO/C Anode Material domestic production, consumption, key domestic manufacturers and share

Global SiO/C Anode Material production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tonnes)

Global SiO/C Anode Material production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tonnes)

Global SiO/C Anode Material production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tonnes)

This report profiles key players in the global SiO/C Anode 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 Shin-Etsu Chemical?Japan?, BTR New Material Group?China?, Osaka Titanium Technologies?Japan?, Resonac?Japan?, Daejoo Electronic Materials?South Korea?, Posco Chemical?South Korea?, Shanshan Corporation?China?, Chengdu Guibao Science & Technology?China?, Jiangxi Zhengtuo Energy?China?, Shanghai Putailai?China?, 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 SiO/C Anode Material market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tonnes) and average price (US\$/Ton) 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 SiO/C Anode Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global SiO/C Anode Material Market, Segmentation by Type:

Powder

Slurry

Global SiO/C Anode Material Market, Segmentation by Process:

Standard

Pre-lithiated

Pre-magnesiated

Global SiO/C Anode Material Market, Segmentation by Specific Capacity:

400-800mAh/g

800-1200mAh/g

Others

Global SiO/C Anode Material Market, Segmentation by Application:

Power Battery

Consumer Battery

Others

Companies Profiled:

Shin-Etsu Chemical?Japan?

BTR New Material Group?China?

Osaka Titanium Technologies?Japan?

Resonac?Japan?

Daejoo Electronic Materials?South Korea?

Posco Chemical?South Korea?

Shanshan Corporation?China?

Chengdu Guibao Science & Technology?China?

Jiangxi Zhengtuo Energy?China?

Shanghai Putailai?China?

NanoGraf?USA?

Novacium?France?

Key Questions Answered:

1. How big is the global SiO/C Anode Material market?
2. What is the demand of the global SiO/C Anode Material market?
3. What is the year over year growth of the global SiO/C Anode Material market?
4. What is the production and production value of the global SiO/C Anode Material market?
5. Who are the key producers in the global SiO/C Anode Material market?
6. What are the growth factors driving the market demand?

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