

Global Silicon-Based Silicon-Carbon Negative Electrode Material Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Silicon-Based Silicon-Carbon Negative Electrode Material market size was valued at US\$ 1610 million in 2025 and is forecast to a readjusted size of US\$ 2832 million by 2032 with a CAGR of 8.5% during review period.

Silicon carbon silicon-based negative electrode material is a new type of negative electrode material for lithium-ion batteries, commonly used in the negative electrode of electric vehicles (EVs), energy storage systems, and other high-performance batteries. It is composed of silicon and carbon materials, and has a higher theoretical capacity than traditional graphite negative electrodes. Due to the much higher theoretical capacity of silicon compared to graphite, silicon-based negative electrode materials are considered one of the key factors in improving battery energy density.

This report is a detailed and comprehensive analysis for global Silicon-Based Silicon-Carbon Negative Electrode Material market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Silicon-Based Silicon-Carbon Negative Electrode Material market size and

forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Silicon-Based Silicon-Carbon Negative Electrode Material market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Silicon-Based Silicon-Carbon Negative Electrode Material market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Silicon-Based Silicon-Carbon Negative Electrode Material market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Silicon-Based Silicon-Carbon Negative Electrode Material

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Silicon-Based Silicon-Carbon Negative Electrode Material market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Resonac, Shin-Etsu Chemical, Daejoo Electronic Materials, PCC Thorion, Group 14, Posco Chemical, BTR New Material Group, NINGBO SHANSHAN, Shanghai Putailai New Energy Technology, Shinghwa Advanced Material Group, etc.

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

Market Segmentation

Silicon-Based Silicon-Carbon Negative Electrode Material market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Sanded Silicon Carbon Material

Vapor Deposited Silicon Carbon Material

Others

Market segment by Application

Automotive

Consumer Electronics

Power Tools

Others

Major players covered

Resonac

Shin-Etsu Chemical

Daejoo Electronic Materials

PCC Thorion

Group 14

Posco Chemical

BTR New Material Group

NINGBO SHANSHAN

Shanghai Putailai New Energy Technology

Shinghwa Advanced Material Group

Shanghai XFH Technology

Chengdu Guibao Science and Technology

Tianmulake Excellent Anode Materials

Gotion High-tech

Yantai Jereh Oilfield Services Group

Zhejiang Xinan Chemical Industrial Group

Hunan KINGI Technology

Zhejiang Saile New Energy

Novusilicon

Sichuan Jili New Energy Technology

SICHUAN WUKE JINSI NEW MATERIAL TECHNOLOGY

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Silicon-Based Silicon-Carbon Negative Electrode Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Silicon-Based Silicon-Carbon Negative Electrode Material, with price, sales quantity, revenue, and global market share of Silicon-Based Silicon-Carbon Negative Electrode Material from 2021 to 2026.

Chapter 3, the Silicon-Based Silicon-Carbon Negative Electrode Material competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Silicon-Based Silicon-Carbon Negative Electrode Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Silicon-Based Silicon-Carbon Negative Electrode Material market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of

Silicon-Based Silicon-Carbon Negative Electrode Material.

Chapter 14 and 15, to describe Silicon-Based Silicon-Carbon Negative Electrode Material sales channel, distributors, customers, research findings and conclusion.

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