

Global Silicon-Based Anode Material Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GDB4E9A1B9E0EN.html>

Date: July 2024

Pages: 134

Price: US\$ 3,480.00 (Single User License)

ID: GDB4E9A1B9E0EN

Abstracts

According to our (Global Info Research) latest study, the global Silicon-Based Anode Material market size was valued at USD 379.5 million in 2023 and is forecast to a readjusted size of USD 471.7 million by 2030 with a CAGR of 3.2% during review period.

Anodes based on silicon are one of the most promising candidates for the next generation high performance Li-ion batteries, due to Si's high theoretical lithium storage capacity of 4200 mAh g⁻¹, which is more than ten times that of currently used graphite based materials.

The Global Info Research report includes an overview of the development of the Silicon-Based Anode Material industry chain, the market status of Automotive (SiO/C, Si/C), Consumer Electronics (SiO/C, Si/C), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Silicon-Based Anode Material.

Regionally, the report analyzes the Silicon-Based Anode Material markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Silicon-Based Anode Material market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Silicon-Based Anode Material

market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Silicon-Based Anode Material industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., SiO/C, Si/C).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Silicon-Based Anode Material market.

Regional Analysis: The report involves examining the Silicon-Based Anode Material market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Silicon-Based Anode Material market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Silicon-Based Anode Material:

Company Analysis: Report covers individual Silicon-Based Anode Material manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Silicon-Based Anode Material This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Consumer Electronics).

Technology Analysis: Report covers specific technologies relevant to Silicon-Based Anode Material. It assesses the current state, advancements, and potential future

developments in Silicon-Based Anode Material areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Silicon-Based Anode Material market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Silicon-Based Anode Material market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

SiO/C

Si/C

Market segment by Application

Automotive

Consumer Electronics

Power Tools

Others

Major players covered

BTR

Shin-Etsu Chemical

Daejoo Electronic Materials

Shanshan Corporation

Jiangxi Zhengtuo Energy

Posco Chemical

Showa Denko

Chengdu Guibao

Shida Shenghua

Shanghai Putailai (Jiangxi Zichen)

Hunan Zhongke Electric (Shinzoom)

Shenzhen XFH

iAmetal

IOPSILION

Guoxuan High-Tech

Group14

Nexxon

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 Anode Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Silicon-Based Anode Material, with price, sales, revenue and global market share of Silicon-Based Anode Material from 2019 to 2024.

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

Chapter 4, the Silicon-Based Anode Material breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Silicon-Based Anode Material market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Anode Material.

Chapter 14 and 15, to describe Silicon-Based Anode Material sales channel,

distributors, customers, research findings and conclusion.

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