

# Global Hard Carbon Anode Precursor Market Growth 2024-2030

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## Abstracts

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Hard carbon is a solid form of carbon that cannot be converted to graphite by heat-treatment, even at temperatures as high as 3000°C. It is also known as char, or non-graphitizing carbon. More colloquially it can be described as charcoal. Hard carbon is produced by heating carbonaceous precursors to approximately 1000°C in the absence of oxygen. Among the precursors for hard carbon are polyvinylidene chloride (PVDC), lignin and sucrose. Other precursors, such as polyvinyl chloride (PVC) and petroleum coke, produce soft carbon, or graphitizing carbon. Soft carbon can be readily converted to graphite by heating to 3000°C. Hard carbon is currently the mainstream anode material route for sodium batteries. The commonly used hard carbon precursors are mainly bio-based, such as moso bamboo, coconut shell, starch, walnut shell, etc. At the same time, chemical raw materials such as anthracite, pitch, and phenolic resin can also be used. Synthetic polymer precursors such as phenolic resins are also included.

The global Hard Carbon Anode Precursor market size is projected to grow from US\$ 136 million in 2024 to US\$ 716 million in 2030; it is expected to grow at a CAGR of 31.8% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Hard Carbon Anode Precursor Industry Forecast" looks at past sales and reviews total world Hard Carbon Anode Precursor sales in 2023, providing a comprehensive analysis by region and market sector of projected Hard Carbon Anode Precursor sales for 2024 through 2030. With Hard Carbon Anode Precursor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hard Carbon Anode Precursor industry.

This Insight Report provides a comprehensive analysis of the global Hard Carbon Anode Precursor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Hard Carbon Anode Precursor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hard Carbon Anode Precursor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hard Carbon Anode Precursor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Hard Carbon Anode Precursor.

Global key players of Hard Carbon Anode Precursor include Best Graphite, Shengquan Group, HiNa Battery Technology, Iopsilion, Kuraray, etc. The top five players hold a share over 93%. China is the largest market, and has a share about 92%, followed by North America with share 7%. In terms of product type, Bio-based is the largest segment, occupied for a share of 76%. In terms of application, Na-ion Battery has a share about 76 percent.

This report presents a comprehensive overview, market shares, and growth opportunities of Hard Carbon Anode Precursor market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Bio-based

Petroleum-based

Polymer Resin

#### Segmentation by Application:

Li-ion Battery

Na-ion Battery

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Kuraray

JFE Chemical

Kureha

Sumitomo

Stora Enso

Indigenous Energy

Shengquan Group

HiNa Battery Technology

Best Graphite

BTR

Shanshan

Xiangfenghua

Putailai

Jiangxi Zeto

Ipsilon

Kaijin New Energy

Fujian Yuanli

Fujian Xinsen Carbon

Sparc Technologies

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Hard Carbon Anode Precursor market?

What factors are driving Hard Carbon Anode Precursor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Hard Carbon Anode Precursor market opportunities vary by end market size?

How does Hard Carbon Anode Precursor break out by Type, by Application?

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