

# Global Hard Carbon Material Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Hard Carbon Material market size is expected to reach \$ 3651.5 million by 2029, rising at a market growth of 67.9% CAGR during the forecast period (2023-2029).

Global key players of hard carbon material include Kuraray, HiNa Battery Technology, Best Graphite, Shengquan Group, Sumitomo, etc. The top five players hold a share about 99%. China is the largest market, has a share about 67%, followed by North America and Japan, with share 25% and 4%, separately.

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.

This report studies the global Hard Carbon Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hard Carbon Material, 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 Hard Carbon Material that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Hard Carbon Material total production and demand, 2018-2029, (MT)

Global Hard Carbon Material total production value, 2018-2029, (USD Million)

Global Hard Carbon Material production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Hard Carbon Material consumption by region & country, CAGR, 2018-2029 & (MT)

U.S. VS China: Hard Carbon Material domestic production, consumption, key domestic manufacturers and share

Global Hard Carbon Material production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MT)

Global Hard Carbon Material production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Hard Carbon Material production by Application production, value, CAGR, 2018-2029, (USD Million) & (MT)

This reports profiles key players in the global Hard Carbon 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 Kuraray, JFE Chemical, Kureha, Sumitomo, Stora Enso, Indigenous Energy, Shengquan Group, HiNa Battery Technology and Best Graphite, 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 Hard Carbon Material market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/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 Hard Carbon Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Hard Carbon Material Market, Segmentation by Type

Bio-based

Petroleum-based

Polymer Resin

#### Global Hard Carbon Material Market, Segmentation by Application

Li-ion Battery

Na-ion Battery

## Companies Profiled:

Kuraray

JFE Chemical

Kureha

Sumitomo

Stora Enso

Indigenous Energy

Shengquan Group

HiNa Battery Technology

Best Graphite

BRT

Shanshan

Xiangfenghua

Putailai

Jiangxi Zeto

## Key Questions Answered

1. How big is the global Hard Carbon Material market?
2. What is the demand of the global Hard Carbon Material market?

3. What is the year over year growth of the global Hard Carbon Material market?
4. What is the production and production value of the global Hard Carbon Material market?
5. Who are the key producers in the global Hard Carbon Material market?
6. What are the growth factors driving the market demand?

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