

Hard Carbon Market, Global Outlook and Forecast 2022-2028

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Abstracts

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 contains market size and forecasts of Hard Carbon in global, including the following market information:

Global Hard Carbon Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Hard Carbon Market Sales, 2017-2022, 2023-2028, (Kiloton)

Global top five Hard Carbon companies in 2021 (%)

The global Hard Carbon market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Coal Tar Source Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Hard Carbon include Kuraray, Kureha, Wuhan Bixidi Battery Material, XFH Technology, Shanghai Zhaoyuan, Himadri and JFE, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Hard Carbon manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Hard Carbon Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Kiloton)

Global Hard Carbon Market Segment Percentages, by Type, 2021 (%)

Coal Tar Source

Natural Plant Source

Resin Source

Other

Global Hard Carbon Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Kiloton)

Global Hard Carbon Market Segment Percentages, by Application, 2021 (%)

Power Battery

Digital Battery

Energy Storage Battery

Global Hard Carbon Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Kiloton)

Global Hard Carbon Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Hard Carbon revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Hard Carbon revenues share in global market, 2021 (%)

Key companies Hard Carbon sales in global market, 2017-2022 (Estimated), (Kiloton)

Key companies Hard Carbon sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Kuraray

Kureha

Wuhan Bixidi Battery Material

XFH Technology

Shanghai Zhaoyuan

Himadri

JFE

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