

Global Hard Carbon Anode Precursor Market Growth 2024-2030

https://marketpublishers.com/r/G11CEB9164E1EN.html

Date: May 2024

Pages: 144

Price: US\$ 3,660.00 (Single User License)

ID: G11CEB9164E1EN

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 subsector, 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	

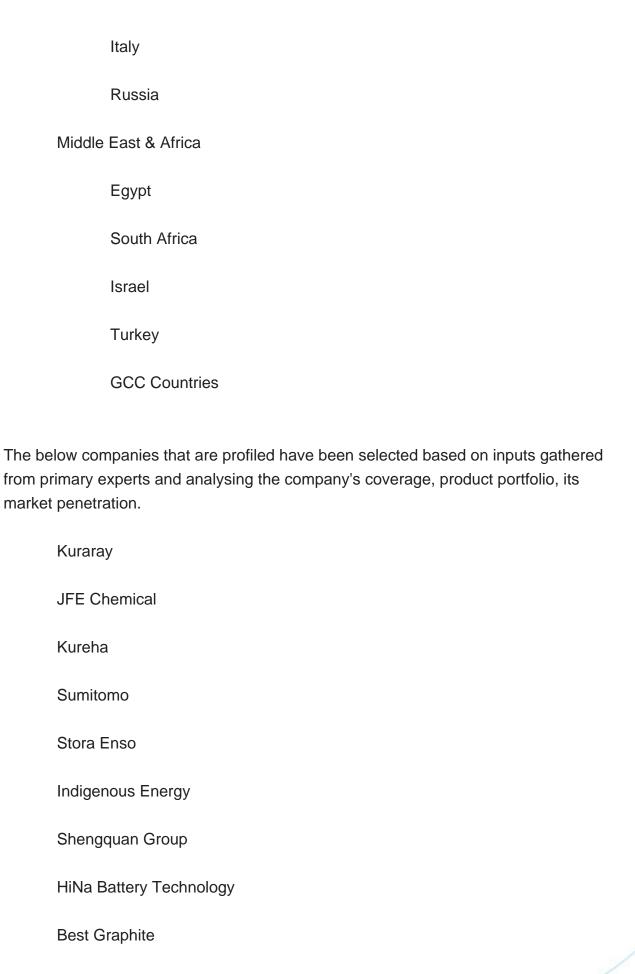
Segmentation by Application:

Polymer Resin

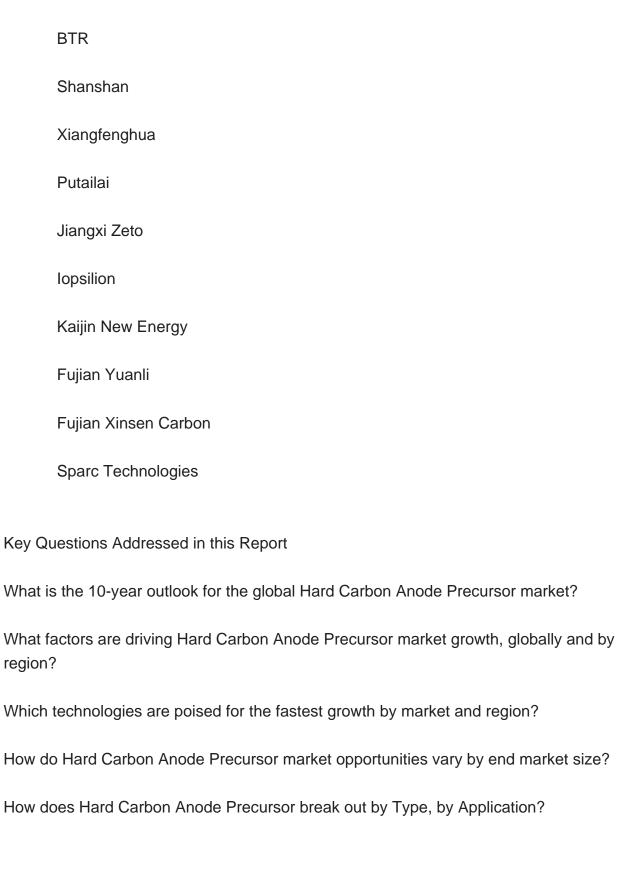


Li-ion	Battery
Na-ion	Battery
This report als	so splits the market by region:
Americ	cas
	United States
	Canada
	Mexico
	Brazil
APAC	
	China
	Japan
	Korea
	Southeast Asia
	India
	Australia
Europe	9
	Germany
	France
	UK











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