

Global Porous Carbon Nano Materials Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GE49AA40ED87EN.html>

Date: May 2026

Pages: 110

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

ID: GE49AA40ED87EN

Abstracts

According to our (Global Info Research) latest study, the global Porous Carbon Nano Materials market size was valued at US\$ 1543 million in 2025 and is forecast to a readjusted size of US\$ 4714 million by 2032 with a CAGR of 18.6% during review period.

Porous Carbon Nano Materials are advanced carbon-based materials featuring nanoscale pore structures and extremely high specific surface area, enabling efficient ion transport and enhanced electrochemical activity in energy storage systems. Through controlled carbonization and activation processes, these materials form stable porous frameworks that provide excellent conductivity and adsorption capability. Their advantages include large surface area, strong electrochemical performance, and improved energy storage efficiency. The capacity utilization rate in 2025 reached 80%, and the industry's average gross margin was approximately 28%. In 2025, production was 36,585 tons at an average price of 41,000 USD per ton. The upstream segment mainly consists of coconut shells and pitch, with representative suppliers including Olam Group, Cargill, Baowu Carbon Materials, and Sinopec. The midstream focuses on carbonization, activation, pore structure regulation, nanoscale processing, and purification technologies to ensure stable pore distribution and electrochemical performance. Downstream applications are primarily in consumer batteries and power batteries, with key customers including Panasonic, Samsung SDI, CATL, BYD, and LG Energy Solution.

This report is a detailed and comprehensive analysis for global Porous Carbon Nano Materials market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is

constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Porous Carbon Nano Materials market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Porous Carbon Nano Materials market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Porous Carbon Nano Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Porous Carbon Nano Materials market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Porous Carbon Nano Materials

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Porous Carbon Nano Materials market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kuraray Co., Ltd., Haycarb PLC, Power Carbon Technology Co., Ltd., Osaka Gas Chemicals Co., Ltd., Unitika Ltd., Toyo Tanso, Jinan Shengquan Group Share, Guangdong Dowstone Technology Co., Ltd., Shanghai Putailai New Energy Technology Co., Ltd., Beihai Xingshi Carbon Material

Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Porous Carbon Nano Materials market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Biomass Porous Carbon

Resin Porous Carbon

Market segment by Pore Size

Pore Size

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