

Needle Coke Market By Type (Petroleum Based, Coal Based), By Application (Graphite Electrodes, Lithium-ion Battery, Special Carbon Material, Rubber Compounds, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 200 pages | Allied Market Research

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Report description:

The global needle coke market was valued at \$2.3 billion in 2021, and is projected to reach \$5.7 billion by 2031, registering a CAGR of 9.8% from 2022 to 2031.

Needle coke is used to make electrodes, which are required in the manufacturing of steel in electric arc furnaces (EAFs). It is widely utilized as a heating element and is derived from both, petroleum and coal tar. It is a highly crystalline petroleum coke that is used to make electrodes for the steel and aluminum industries. It is the crucial raw material employed in the steel and aluminum industries to produce graphite electrodes from arc furnaces. It has excellent features, such as structural properties, high temperature resistance, high electrical resistance, oxidizability, and coefficient of thermal expansion (CTE).

For the purpose of analysis, the needle coke market scope covers segments by type, application, and region. The report outlines the details about needle coke types, including petroleum-based and coal-based. The use of needle coke in various end-use industries, including graphite electrodes, lithium-ion battery, special carbon material, rubber compounds, and others are analyzed in the report. Moreover, it analyzes the current market trends of needle coke across different regions, such as North America, Europe, Asia-Pacific, and LAMEA and suggests the future growth opportunities.

The growth drivers, restraints, and opportunities are explained in the report to better understand the market dynamics. This report further highlights the key areas of investment. In addition, it includes Porter's five forces analysis to understand the competitive scenario of the industry and role of each stakeholder. Value chain analysis for this industry, which includes R&D, components manufacturers, assembly, programming & testing, marketing & sales, customers, and post-sales services, is explained. The report features the strategies adopted by key market players to maintain their foothold in the market. Furthermore, it highlights the competitive landscape of the key players to increase their market share and sustain intense competition in the industry.

In addition, the report covers profiles of key industry participants, such as Asbury Carbons Inc., Baosteel Group, Essar Oil Ltd,

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GrafTech International Ltd, HEG Limited, Indian Oil Corporation, Mitsubishi Chemical Corporation, Mott Corporation, Nippon Steel Corporation, Petroleum Coke Industry, Phillips 66, Reliance Industries, Shell Global, Sumitomo Corporation, and Tokai Carbon Co., Ltd.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the needle coke market analysis from 2021 to 2031 to identify the prevailing needle coke market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the needle coke market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global needle coke market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Petroleum Based
- Coal Based

By Application

- Graphite Electrodes
- Lithium-ion Battery
- Special Carbon Material
- Rubber Compounds
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia

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- South Africa
- Rest of LAMEA
- Key Market Players
- ASBURY CARBONS INC
- BAOSTEEL GROUP
- ESSAR OIL LTD
- GrafTech International Ltd.
- HEG LIMITED
- Indian Oil Corporation Ltd
- MITSUBISHI CHEMICAL CORPORATION
- mott corporation
- NIPPON STEEL CORPORATION
- PETROLEUM COKE INDUSTRY
- PHILLIPS 66
- Reliance Industries Ltd
- SHELL GLOBAL
- SUMITOMO CORPORATION
- TOKAI CARBON CO., LTD

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