

Needle Coke Market to Witness Growth and Offer Comprehensive Business Outlook by 2032

The surging adoption of lithium-ion batteries in electric vehicles (EVs) and portable electronic devices is fueling demand for synthetic needle coke.

WILMINGTON, DE, UNITED STATES, October 13, 2025 /EINPresswire.com/ -- Allied Market Research has released an in-depth report on the global [needle coke market](#), offering detailed insights into market segmentation by type and application. According to the study, the market was valued at \$2.3 billion in 2021 and is projected to reach \$5.7 billion by 2031, growing at a CAGR of 9.8% from 2022 to 2031. The report provides comprehensive analyses of market size, revenue projections, and regional dynamics, empowering stakeholders with vital information on emerging trends, key growth drivers, and investment opportunities.



Needle Coke Market, by Type

Request a sample of the report:

<https://www.alliedmarketresearch.com/request-sample/A17410>

Key Market Drivers:

The report identifies several factors propelling the growth of the needle coke market.

A major growth driver is the increasing demand for graphite electrodes in electric arc furnace (EAF) steel production, which continues to rise as industries embrace sustainable steelmaking practices. With a growing shift toward EAF-based steel manufacturing—recognized for its lower emissions needle coke has become indispensable as a primary raw material for graphite electrodes.

Additionally, the surging adoption of lithium-ion batteries in electric vehicles (EVs) and portable electronic devices is fueling demand for synthetic needle coke, prized for its exceptional purity

and conductivity. As global economies transition toward clean energy and e-mobility, needle coke's role in battery technology is becoming increasingly strategic.

However, the market faces challenges such as volatile raw material prices and stringent environmental regulations governing coke production, which could impede growth in some regions. Despite these hurdles, government initiatives promoting EV infrastructure and steel recycling are anticipated to generate new opportunities for industry expansion.

Emerging Trends:-

The AMR analysis spotlights several transformative trends reshaping the needle coke industry landscape:

- Rise in Synthetic Needle Coke Production: Regions such as North America and Asia-Pacific are witnessing a surge in production, driven by applications in advanced energy storage and battery systems.
- Sustainability-Driven Innovation: Industry players are investing in cleaner production technologies and graphite electrode recycling to minimize carbon emissions and strengthen supply chain resilience.
- Diversification of Raw Materials: Growing exploration of alternative feedstocks such as petroleum and coal tar pitch aims to balance supply-demand dynamics for high-grade needle coke.

These developments underscore a broader industrial pivot toward eco-efficient processes and technological advancement.

Competitive Landscape:

The report provides a comprehensive evaluation of leading market participants, analyzing their strategic initiatives, financial performance, and innovation outlook. Prominent companies profiled include:

- Shell Global
- Phillips 66
- HEG Limited
- Tokai Carbon Co., Ltd.
- Essar Oil Ltd.
- Mott Corporation
- Reliance Industries Ltd.
- GrafTech International Ltd.
- Asbury Carbons Inc.

- Baosteel Group
- Mitsubishi Chemical Corporation
- Nippon Steel Corporation
- Indian Oil Corporation Ltd.
- Sumitomo Corporation

Needle coke market purchase options, AMR provides:

<https://www.alliedmarketresearch.com/needle-coke-market/purchase-options>

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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