

Global Needle Coke for EV Batteries Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G7F5B11239CBEN.html>

Date: May 2023

Pages: 100

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

ID: G7F5B11239CBEN

Abstracts

According to our (Global Info Research) latest study, the global Needle Coke for EV Batteries market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Needle coke is a type of high-quality petroleum coke that is predominantly used in the production of graphite electrodes for steel-making. However, with the rapid growth of the electric vehicle (EV) market, needle coke has become an essential material for manufacturing lithium-ion batteries for EVs.

Needle coke has a unique physical structure that makes it ideal for use in the production of graphite anodes for lithium-ion batteries. This type of coke is distinguished by its long, thin, and needle-like structure, which makes it highly conductive and durable. This structure allows it to withstand high temperatures and pressure, making it ideal for use in the high-performance batteries required for electric vehicles.

The demand for needle coke in the battery industry has increased significantly due to the growth of the EV market. According to industry estimates, the demand for needle coke for lithium-ion batteries is expected to grow at a CAGR of over 12% from 2021 to 2028. This growth is driven by the increasing demand for high-performance batteries, which require needle coke as a critical component.

The production of needle coke is a complex process that involves the conversion of heavy petroleum residues into high-quality coke through a process called delayed coking. The production process involves the removal of impurities, such as sulfur and

metals, which can affect the quality of the coke. The resulting needle coke is then subjected to a series of heat treatments to improve its properties further.

In conclusion, needle coke is a critical component in the production of high-performance lithium-ion batteries for electric vehicles. Its unique physical structure and high conductivity make it an ideal material for use in the manufacturing of graphite anodes for EV batteries. As the demand for EVs continues to grow, the demand for needle coke is expected to rise significantly, highlighting its importance in the development of sustainable mobility solutions.

This report is a detailed and comprehensive analysis for global Needle Coke for EV Batteries market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Source. 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 2023, are provided.

Key Features:

Global Needle Coke for EV Batteries market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Needle Coke for EV Batteries market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Needle Coke for EV Batteries market size and forecasts, by Type and by Source, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Needle Coke for EV Batteries market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

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 Needle Coke for EV Batteries

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 Needle Coke for EV Batteries market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Phillips 66, GrafTech, Eneos, Sumitomo Corporation and CNPC Jinzhou Petrochemical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Needle Coke for EV Batteries market is split by Type and by Source. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Source in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Sulfur Content

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