

Global Needle Coke Market: Size, Trends and Forecasts (2018-2022)

<https://marketpublishers.com/r/G4DB333017FEN.html>

Date: June 2018

Pages: 80

Price: US\$ 850.00 (Single User License)

ID: G4DB333017FEN

Abstracts

Scope of the Report

The report titled “Global Needle Coke Market: Size, Trends and Forecasts (2018-2022)”, provides an in depth analysis of the global needle coke market by value, by production capacity, by applications, by segments, by region, etc. The report also provides a analysis of the China needle coke market by segment and by production capacity.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global needle coke market has also been forecasted for the period 2018-2022, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global needle coke industry is generally dominated. Many competitors have established worldwide reputation with the multinational customers while some supply their products to the local customers. The manufacturers of the needle coke market produce different type of needle cokes, some manufacturers produce petroleum-based needle coke while other produce coal-based needle coke.

However, the competition in the global needle coke market is dominated by few needle coke manufacturers supplying needle cokes worldwide. Further, key players of the needle coke market are Phillips 66, Mitsubishi Chemical Holdings Corporation, JXTG Holdings, Inc., Indian Oil Corporation Ltd. are also profiled with their financial information and respective business strategies.

Country Coverage

China

Company Coverage

Phillips 66

Mitsubishi Chemical Holdings Corporation

JXTG Holdings, Inc.

Indian Oil Corporation Ltd.

Executive Summary

Needle coke is a high value, petroleum coke based raw material primarily used in the production of graphite electrodes for the electric arc furnaces (EAF) based steelmaking and lithium-ion batteries. Needle coke can take up to six months to convert coke into graphite electrodes, including baking and rebaking process. Needle coke is used in graphite electrodes because it reduces the risk of fractures by expanding along the length. The end-users of the needle coke are steel industry, lithium-ion battery industry, aluminium industry, aerospace, etc.

The qualities of the modern needle coke are low coefficient of thermal expansion, high aspect ratio, sufficient strength, low puffing, good density, low ash, low sulfur, low nitrogen, etc. The raw materials used for the needle coke production are petroleum Fluidised catalytic cracker decant oils (FCCDO), petroleum low-sulfur vacuum residues (LSVR), coal-tar pitches (CTP), ethylene tar pitches (ETP) and solvent refined coal (SRC).

Needle coke has a long history with continuously evolving environmental friendly needle coke. The needle coke market can be segmented on the basis of type, grade, application and end-users.

The global needle coke market has increased at a significant CAGR during the years 2013-2017 and projections are made that the market would rise in the next four years i.e. 2018-2022 tremendously. The needle coke market is expected to increase due to

growth in global GDP, growing needle coke demand in graphite electrodes, rapid growth in electric vehicles production, growing needle coke demand in lithium-ion batteries, etc. Yet the market faces some challenges such as increasing graphite electrodes prices, increasing needle coke prices, slow steel production growth, decline in graphite electrodes capacity, environmental concerns, etc.

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