

Global Synthetic Graphite Materials Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G4380D20DE9BEN.html>

Date: January 2024

Pages: 137

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

ID: G4380D20DE9BEN

Abstracts

According to our (Global Info Research) latest study, the global Synthetic Graphite Materials market size was valued at USD 8469.9 million in 2023 and is forecast to a readjusted size of USD 11790 million by 2030 with a CAGR of 4.8% during review period.

Synthetic graphite materials is a man-made substance manufactured by the high temperature processing of amorphous carbon materials. The types of amorphous carbon used as precursors to graphite are many, and can be derived from petroleum, coal, or natural and synthetic organic materials. In some cases, graphite can even be manufactured by the direct precipitation of graphitic carbon from pyrolysis of a carbonaceous gas such as acetylene (pyrolytic graphite). One important commonality between all graphite precursors is that they must contain carbon. Graphite is carbon, a specific form of carbon, so it can only be derived from other carbon containing substances. Although Synthetic Graphite Materials can be manufactured from any number of precursor materials, the primary material used to manufacture it in the United States is petroleum coke. As noted above only certain types of carbonaceous feeds are suitable for graphite production. Therefore, the petroleum coke used for the Synthetic Graphite Materials industry must be carefully specified to assure it is of the type that will ultimately result in high quality graphitic carbon.

Global key players of synthetic graphite materials include GrafTech, Fangda Carbon, Showa Denko, etc. The top five players hold a share over 40%. China is the largest market, has a share about 44%, followed by Japan and India, with share 22% and 14%, separately.

The Global Info Research report includes an overview of the development of the Synthetic Graphite Materials industry chain, the market status of Iron and Steel Industry (Graphite Electrodes, Carbon Fibers), Battery Industry (Graphite Electrodes, Carbon Fibers), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Synthetic Graphite Materials.

Regionally, the report analyzes the Synthetic Graphite Materials markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Synthetic Graphite Materials market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Synthetic Graphite Materials market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Synthetic Graphite Materials industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Graphite Electrodes, Carbon Fibers).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Synthetic Graphite Materials market.

Regional Analysis: The report involves examining the Synthetic Graphite Materials market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Synthetic Graphite Materials market. This may include estimating market growth rates, predicting market demand, and identifying emerging

trends.

The report also involves a more granular approach to Synthetic Graphite Materials:

Company Analysis: Report covers individual Synthetic Graphite Materials manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Synthetic Graphite Materials. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Iron and Steel Industry, Battery Industry).

Technology Analysis: Report covers specific technologies relevant to Synthetic Graphite Materials. It assesses the current state, advancements, and potential future developments in Synthetic Graphite Materials areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Synthetic Graphite Materials market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Synthetic Graphite Materials market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Graphite Electrodes

Carbon Fibers

Specialty Graphite

Graphite Granular & Powder

Others

Market segment by Application

Iron and Steel Industry

Battery Industry

Aluminum Industry

Industrial Components

Others

Major players covered

GrafTech

Fangda Carbon

Showa Denko

Jilin Carbon

Graphite India

Tokai Carbon

HEG

Nippon Carbon

Datong Xincheng New Material Co., Ltd

SEC Carbon

Toray Carbon

Toyo Tanso

Teijin (Toho Tenax)

Mersen Group

Ibiden

Asbury Graphite

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Synthetic Graphite Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Synthetic Graphite Materials, with price, sales, revenue and global market share of Synthetic Graphite Materials from 2019 to 2024.

Chapter 3, the Synthetic Graphite Materials competitive situation, sales quantity,

revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Synthetic Graphite Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Synthetic Graphite Materials market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Synthetic Graphite Materials.

Chapter 14 and 15, to describe Synthetic Graphite Materials sales channel, distributors, customers, research findings and conclusion.

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