

Global Synthetic Graphite Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Synthetic Graphite market size was valued at US\$ 12020 million in 2025 and is forecast to a readjusted size of US\$ 21130 million by 2032 with a CAGR of 8.5% during review period.

Synthetic Graphite 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 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 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 include Fangda Carbon, Showa Denko, Graphite India, Jilin Carbon, GrafTech, etc. The top five players hold a share about 46%. China is the largest market, and has a share about 50%, followed by Japan and Europe with share 16% and 12%, separately. In terms of product type, Graphite Electrodes is the largest segment, occupied for a share of 60%. In terms of application, Iron and Steel Industry has a share about 46 percent.

This report is a detailed and comprehensive analysis for global Synthetic Graphite market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. 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 2025, are provided.

Key Features:

Global Synthetic Graphite market size and forecasts, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2021-2032

Global Synthetic Graphite market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2021-2032

Global Synthetic Graphite market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2021-2032

Global Synthetic Graphite market shares of main players, shipments in revenue (\$ Million), sales quantity (K MT), and ASP (USD/MT), 2021-2026

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 Synthetic Graphite

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 Synthetic Graphite market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GrafTech, Fangda Carbon, Showa Denko, Jilin Carbon, Graphite India, Tokai Carbon, HEG, Nippon Carbon, Datong Xincheng New Material Co., Ltd, SEC Carbon, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Synthetic Graphite market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

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 product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Synthetic Graphite, with price, sales quantity, revenue, and global market share of Synthetic Graphite from 2021 to 2026.

Chapter 3, the Synthetic Graphite competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Synthetic Graphite breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Synthetic Graphite market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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.

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

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