

Global Synthetic Graphite Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Synthetic Graphite market size is expected to reach \$ 21130 million by 2032, rising at a market growth of 8.5% CAGR during the forecast period (2026-2032).

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 studies the global Synthetic Graphite production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Synthetic Graphite and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Synthetic Graphite that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Synthetic Graphite total production and demand, 2021-2032, (K MT)

Global Synthetic Graphite total production value, 2021-2032, (USD Million)

Global Synthetic Graphite production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Synthetic Graphite consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Synthetic Graphite domestic production, consumption, key domestic manufacturers and share

Global Synthetic Graphite production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Synthetic Graphite production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Synthetic Graphite production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Synthetic Graphite 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Synthetic Graphite market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Synthetic Graphite Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Synthetic Graphite Market, Segmentation by Type:

Graphite Electrodes

Carbon Fibers

Specialty Graphite

Graphite Granular & Powder

Others

Global Synthetic Graphite Market, Segmentation by Application:

Iron and Steel Industry

Battery Industry

Aluminum Industry

Industrial Components

Others

Companies Profiled:

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

Key Questions Answered:

1. How big is the global Synthetic Graphite market?
2. What is the demand of the global Synthetic Graphite market?
3. What is the year over year growth of the global Synthetic Graphite market?
4. What is the production and production value of the global Synthetic Graphite market?
5. Who are the key producers in the global Synthetic Graphite market?
6. What are the growth factors driving the market demand?

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