

# Global Functional Graphite Materials Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Functional Graphite Materials market size is expected to reach \$ 33741 million by 2032, rising at a market growth of 8.9% CAGR during the forecast period (2026-2032).

Functional Graphite Materials refer to natural graphite, synthetic graphite, expanded graphite, flexible graphite, highly oriented graphite films, graphite powders, graphite foils, graphite blocks, graphite felts and graphite based composites that are designed or selected for specific functional performance rather than only for carbon content or mineral grade. Their key functional attributes include electrical conductivity, thermal conductivity, chemical inertness, high temperature resistance, lubricity, compressibility, sealing performance, corrosion resistance and electrochemical stability. Therefore, this category covers graphite materials used in batteries, fuel cells, thermal management, conductive compounds, sealing materials, friction materials, lubricants, refractory systems and corrosion resistant equipment.

In 2025, global sales of Functional Graphite Materials reached approximately 3,547 K tons, with an average global market price of around US\$ 5,133/ton. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 20% to 40%.

This report studies the global Functional Graphite Materials production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Functional Graphite Materials 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 Functional Graphite Materials that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Functional Graphite Materials total production and demand, 2021-2032, (Kilotons)

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

Global Functional Graphite Materials production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Functional Graphite Materials consumption by region & country, CAGR, 2021-2032 & (Kilotons)

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

Global Functional Graphite Materials production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Functional Graphite Materials production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Functional Graphite Materials production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Functional Graphite Materials 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 SGL Carbon, Mersen, Toyo Tanso, Tokai Carbon, Schunk, Morgan Advanced Materials, Nippon Carbon, Entegris POCO Materials, IBIDEN, Resonac, 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 Functional Graphite Materials market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) 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 Functional Graphite Materials Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Functional Graphite Materials Market, Segmentation by Type:

Natural Graphite

Synthetic Graphite

#### Global Functional Graphite Materials Market, Segmentation by Primary Function:

Thermally Conductive Graphite

Electrically Conductive Graphite

Other

#### Global Functional Graphite Materials Market, Segmentation by Particle Size:

D50 ?15 ?m

D50 ?15 ?m

### Global Functional Graphite Materials Market, Segmentation by Application:

Batteries and Energy Storage

Electronics and Thermal Management

Machinery and Equipment

Other

### Companies Profiled:

SGL Carbon

Mersen

Toyo Tanso

Tokai Carbon

Schunk

Morgan Advanced Materials

Nippon Carbon

Entegris POCO Materials

IBIDEN

Resonac

NeoGraf Solutions

Panasonic

Kaneka

Asbury Advanced Materials

Imerys

Nacional de Grafite

POSCO Future M

Mitsubishi Chemical

Syrah Resources

Epsilon Advanced Materials

BTR New Material

Shanshan

Shanghai PTL

Guangdong Kaijin New Energy

Hunan Zhongke Shinzoom

Shangtai Technology

Shanghai Xiangfenghua Technology

Hebei Kuntian New Energy

Key Questions Answered:

1. How big is the global Functional Graphite Materials market?
2. What is the demand of the global Functional Graphite Materials market?

3. What is the year over year growth of the global Functional Graphite Materials market?
4. What is the production and production value of the global Functional Graphite Materials market?
5. Who are the key producers in the global Functional Graphite Materials market?
6. What are the growth factors driving the market demand?

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