

Global Synthetic Graphite Materials Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Synthetic Graphite Materials market size will reach 12,204 Million USD in 2025 and is projected to reach 21,243 Million USD by 2032, with a CAGR of 8.24% (2025-2032). Notably, the China Synthetic Graphite Materials market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Synthetic graphite materials encompass a diverse range of artificially produced carbon-based materials with graphite-like structures and properties. These materials are typically manufactured through processes such as graphitization of carbon precursors like petroleum coke or coal tar pitch, high-temperature treatment, or chemical vapor deposition (CVD). Synthetic graphite materials can exhibit various forms and properties depending on their production methods and intended applications. They include graphite electrodes used in electric arc furnaces for steel production, anodes in lithium-ion batteries for energy storage, heat sinks in electronic devices, lubricants, and structural components in aerospace and automotive industries. Synthetic graphite materials offer advantages such as high thermal and electrical conductivity, chemical inertness, and mechanical strength, making them indispensable in a wide range of industrial, commercial, and technological applications. Their customizable properties and consistent quality make them a preferred choice for demanding and specialized requirements across various sectors.

The major global manufacturers of Synthetic Graphite Materials include 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, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Synthetic Graphite Materials. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Synthetic Graphite Materials market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Synthetic Graphite Materials market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Synthetic Graphite Materials industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Synthetic Graphite Materials Include:

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

Synthetic Graphite Materials Product Segment Include:

Graphite Electrodes

Carbon Fibers

Specialty Graphite

Graphite Granular & Powder

Others

Synthetic Graphite Materials Product Application Include:

Iron and Steel Industry

Battery Industry

Aluminum Industry

Industrial Components

Others

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