

Global Synthetic Graphite 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 market size will reach 12,660 Million USD in 2025 and is projected to reach 22,367 Million USD by 2032, with a CAGR of 8.47% (2025-2032). Notably, the China Synthetic Graphite 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 refers to a form of graphite that is artificially produced through processes such as graphitization of carbonaceous materials, typically petroleum coke or coal tar pitch, at high temperatures and pressures. Unlike natural graphite, which is mined from geological deposits, synthetic graphite is manufactured in controlled industrial settings to achieve specific properties and purity levels. Synthetic graphite exhibits excellent electrical conductivity, thermal stability, and chemical resistance, making it valuable in various applications such as electrodes in lithium-ion batteries, crucibles for metallurgical processes, lubricants, and as a structural material in high-temperature applications like aerospace components and nuclear reactors. Its consistent quality, customizable characteristics, and relatively low cost compared to natural graphite make synthetic graphite a preferred choice in many industrial and technological applications.

The major global manufacturers of Synthetic Graphite 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. 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 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 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 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 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 Product Segment Include:

Graphite Electrodes

Carbon Fibers

Specialty Graphite

Graphite Granular & Powder

Others

Synthetic Graphite Product Application Include:

Iron and Steel Industry

Battery Industry

Aluminum Industry

Industrial Components

Others

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Synthetic Graphite Capacity and Production Analysis

Chapter 3: Global Synthetic Graphite Industry PESTEL Analysis

Chapter 4: Global Synthetic Graphite Industry Porter's Five Forces Analysis

Chapter 5: Global Synthetic Graphite Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 6: Global Synthetic Graphite Market Size and Forecast by Type and Application Analysis

Chapter 7: North America Synthetic Graphite Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: Europe Synthetic Graphite Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: China Synthetic Graphite Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: APAC (Excl. China) Synthetic Graphite Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Latin America Synthetic Graphite Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Middle East and Africa Synthetic Graphite Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 13: Global Synthetic Graphite Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 14: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 15: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 16: Research Findings and Conclusion

Chapter 17: Methodology and Data Sources

Contents

1 SYNTHETIC GRAPHITE MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Synthetic Graphite Product by Type
 - 1.2.1 Graphite Electrodes
 - 1.2.2 Carbon Fibers
 - 1.2.3 Specialty Graphite
 - 1.2.4 Graphite Granular & Powder
 - 1.2.5 Others
- 1.3 Synthetic Graphite Product by Application
 - 1.3.1 Iron and Steel Industry
 - 1.3.2 Battery Industry
 - 1.3.3 Aluminum Industry
 - 1.3.4 Industrial Components
 - 1.3.5 Others
- 1.4 Global Synthetic Graphite Market Revenue and Sales Analysis
 - 1.4.1 Global Synthetic Graphite Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Synthetic Graphite Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Synthetic Graphite Market Sales Price Trend Analysis (2020-2032)
- 1.5 Synthetic Graphite Industry Trends and Innovation
 - 1.5.1 Synthetic Graphite Industry Trends and Innovation
 - 1.5.2 Synthetic Graphite Market Drivers and Challenges

2 GLOBAL SYNTHETIC GRAPHITE CAPACITY AND PRODUCTION ANALYSIS

- 2.1 Global Synthetic Graphite Capacity, Production and Utilization (2020-2032)
- 2.2 Global Synthetic Graphite Production Growth Trend by Region: 2024 VS 2025 VS 2030
- 2.3 Global Synthetic Graphite Production by Region
 - 2.3.1 Global Synthetic Graphite Production by Region (2020-2025)
 - 2.3.2 Global Synthetic Graphite Production Forecast by Region (2026-2032)
 - 2.3.3 Global Synthetic Graphite Production Market Share by Region (2020-2032)

3 SYNTHETIC GRAPHITE MARKET PESTEL ANALYSIS

- 3.1 Political Factors Analysis
- 3.2 Economic Factors Analysis

- 3.3 Social Factors Analysis
- 3.4 Technological Factors Analysis
- 3.5 Environmental Factors Analysis
- 3.6 Legal Factors Analysis

4 SYNTHETIC GRAPHITE MARKET PORTER'S FIVE FORCES ANALYSIS

- 4.1 Competitive Rivalry
- 4.2 Threat of New Entrants
- 4.3 Bargaining Power of Suppliers
- 4.4 Bargaining Power of Buyers
- 4.5 Threat of Substitutes

5 GLOBAL SYNTHETIC GRAPHITE MARKET ANALYSIS BY REGIONS

- 5.1 Synthetic Graphite Overall Market: 2024 VS 2025 VS 2032
- 5.2 Global Synthetic Graphite Revenue and Forecast Analysis (2020-2032)
 - 5.2.1 Global Synthetic Graphite Revenue and Market Share by Region (2020-2025)
 - 5.2.2 Global Synthetic Graphite Revenue and Market Forecast by Region (2026-2032)
- 5.3 Global Synthetic Graphite Sales and Forecast Analysis (2020-2032)
 - 5.3.1 Global Synthetic Graphite Sales and Market Share by Region (2020-2025)
 - 5.3.2 Global Synthetic Graphite Sales and Market Forecast by Region (2026-2032)
- 5.4 Global Synthetic Graphite Sales Price Trend Analysis (2020-2032)

6 GLOBAL SYNTHETIC GRAPHITE MARKET SIZE BY TYPE AND APPLICATION

- 6.1 Global Synthetic Graphite Market Size by Type
 - 6.1.1 Global Synthetic Graphite Revenue and Forecast Analysis by Type (2020-2032)
 - 6.1.2 Global Synthetic Graphite Sales and Forecast Analysis by Type (2020-2032)
- 6.2 Global Synthetic Graphite Market Size by Application
 - 6.2.1 Global Synthetic Graphite Revenue and Forecast Analysis by Application (2020-2032)
 - 6.2.2 Global Synthetic Graphite Sales and Forecast Analysis by Application (2020-2032)

7 NORTH AMERICA

- 7.1 North America Synthetic Graphite Market Size and Growth Rate Analysis (2020-2032)

- 7.2 North America Key Manufacturers Analysis
- 7.3 North America Synthetic Graphite Market Size by Type
 - 7.3.1 North America Synthetic Graphite Sales by Type (2020-2032)
 - 7.3.2 North America Synthetic Graphite Revenue by Type (2020-2032)
- 7.4 North America Synthetic Graphite Market Size by Application
 - 7.4.1 North America Synthetic Graphite Sales by Application (2020-2032)
 - 7.4.2 North America Synthetic Graphite Revenue by Application (2020-2032)
- 7.5 North America Synthetic Graphite Market Size by Country
 - 7.5.1 US
 - 7.5.2 Canada

8 EUROPE

- 8.1 Europe Synthetic Graphite Market Size and Growth Rate Analysis (2020-2032)
- 8.2 Europe Key Manufacturers Analysis
- 8.3 Europe Synthetic Graphite Market Size by Type
 - 8.3.1 Europe Synthetic Graphite Sales by Type (2020-2032)
 - 8.3.2 Europe Synthetic Graphite Revenue by Type (2020-2032)
- 8.4 Europe Synthetic Graphite Market Size by Application
 - 8.4.1 Europe Synthetic Graphite Sales by Application (2020-2032)
 - 8.4.2 Europe Synthetic Graphite Revenue by Application (2020-2032)
- 8.5 Europe Synthetic Graphite Market Size by Country
 - 8.5.1 Germany
 - 8.5.2 France
 - 8.5.3 United Kingdom
 - 8.5.4 Italy
 - 8.5.5 Spain
 - 8.5.6 Benelux

9 CHINA

- 9.1 China Synthetic Graphite Market Size and Growth Rate Analysis (2020-2032)
- 9.2 China Key Manufacturers Analysis
- 9.3 China Synthetic Graphite Market Size by Type
 - 9.3.1 China Synthetic Graphite Sales by Type (2020-2032)
 - 9.3.2 China Synthetic Graphite Revenue by Type (2020-2032)
- 9.4 China Synthetic Graphite Market Size by Application
 - 9.4.1 China Synthetic Graphite Sales by Application (2020-2032)
 - 9.4.2 China Synthetic Graphite Revenue by Application (2020-2032)

10 APAC (EXCL. CHINA)

10.1 APAC (excl. China) Synthetic Graphite Market Size and Growth Rate Analysis (2020-2032)

10.2 APAC (excl. China) Key Manufacturers Analysis

10.3 APAC (excl. China) Synthetic Graphite Market Size by Type

10.3.1 APAC (excl. China) Synthetic Graphite Sales by Type (2020-2032)

10.3.2 APAC (excl. China) Synthetic Graphite Revenue by Type (2020-2032)

10.4 APAC (excl. China) Synthetic Graphite Market Size by Application

10.4.1 APAC (excl. China) Synthetic Graphite Sales by Application (2020-2032)

10.4.2 APAC (excl. China) Synthetic Graphite Revenue by Application (2020-2032)

10.5 APAC (excl. China) Synthetic Graphite Market Size by Country

10.5.1 Japan

10.5.2 South Korea

10.5.3 India

10.5.4 Australia

10.5.5 Southeast Asia

11 LATIN AMERICA

11.1 Latin America Synthetic Graphite Market Size and Growth Rate Analysis (2020-2032)

11.2 Latin America Key Manufacturers Analysis

11.3 LATIN AMERICA SYNTHETIC GRAPHITE MARKET SIZE BY TYPE

11.3.1 Latin America Synthetic Graphite Sales by Type (2020-2032)

11.3.2 Latin America Synthetic Graphite Revenue by Type (2020-2032)

11.4 Latin America Synthetic Graphite Market Size by Application

11.4.1 Latin America Synthetic Graphite Sales by Application (2020-2032)

11.4.2 Latin America Synthetic Graphite Revenue by Application (2020-2032)

11.5 Latin America Synthetic Graphite Market Size by Country

11.6 Latin America Synthetic Graphite Market Size by Country

11.6.1 Mexico

11.6.2 Brazil

12 MIDDLE EAST & AFRICA

12.1 Middle East & Africa Synthetic Graphite Market Size and Growth Rate Analysis (2020-2032)

12.2 Middle East & Africa Key Manufacturers Analysis

12.3 Middle East & Africa Synthetic Graphite Market Size by Type

12.3.1 Middle East & Africa Synthetic Graphite Sales by Type (2020-2032)

12.3.2 Middle East & Africa Synthetic Graphite Revenue by Type (2020-2032)

12.4 Middle East & Africa Synthetic Graphite Market Size by Application

12.4.1 Middle East & Africa Synthetic Graphite Sales by Application (2020-2032)

12.4.2 Middle East & Africa Synthetic Graphite Revenue by Application (2020-2032)

12.5 Middle East Synthetic Graphite Market Size by Country

12.5.1 Saudi Arabia

12.5.2 South Africa

13 COMPETITION BY MANUFACTURERS

13.1 Global Synthetic Graphite Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

13.1.1 Global Synthetic Graphite Market Sales by Key Manufacturers (2021-2025)

13.1.2 Global Synthetic Graphite Market Revenue by Key Manufacturers (2021-2025)

13.1.3 Global Synthetic Graphite Average Sales Price by Manufacturers (2021-2025)

13.2 Synthetic Graphite Competitive Landscape Analysis and Market Dynamic

13.2.1 Synthetic Graphite Competitive Landscape Analysis

13.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

13.2.3 Market Dynamic

14 KEY COMPANIES ANALYSIS

14.1 GrafTech

14.1.1 GrafTech Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.1.2 GrafTech Synthetic Graphite Product Portfolio

14.1.3 GrafTech Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.2 Fangda Carbon

14.2.1 Fangda Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.2.2 Fangda Carbon Synthetic Graphite Product Portfolio

14.2.3 Fangda Carbon Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.3 Showa Denko

14.3.1 Showa Denko Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.3.2 Showa Denko Synthetic Graphite Product Portfolio

14.3.3 Showa Denko Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.4 Jilin Carbon

14.4.1 Jilin Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.4.2 Jilin Carbon Synthetic Graphite Product Portfolio

14.4.3 Jilin Carbon Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.5 Graphite India

14.5.1 Graphite India Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.5.2 Graphite India Synthetic Graphite Product Portfolio

14.5.3 Graphite India Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.6 Tokai Carbon

14.6.1 Tokai Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.6.2 Tokai Carbon Synthetic Graphite Product Portfolio

14.6.3 Tokai Carbon Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.7 HEG

14.7.1 HEG Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.7.2 HEG Synthetic Graphite Product Portfolio

14.7.3 HEG Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.8 Nippon Carbon

14.8.1 Nippon Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.8.2 Nippon Carbon Synthetic Graphite Product Portfolio

14.8.3 Nippon Carbon Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.9 Datong Xincheng New Material Co., Ltd

14.9.1 Datong Xincheng New Material Co., Ltd Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

- 14.9.2 Datong Xincheng New Material Co., Ltd Synthetic Graphite Product Portfolio
- 14.9.3 Datong Xincheng New Material Co., Ltd Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.10 SEC Carbon
 - 14.10.1 SEC Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.10.2 SEC Carbon Synthetic Graphite Product Portfolio
 - 14.10.3 SEC Carbon Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.11 Toray Carbon
 - 14.11.1 Toray Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.11.2 Toray Carbon Synthetic Graphite Product Portfolio
 - 14.11.3 Toray Carbon Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.12 Toyo Tanso
 - 14.12.1 Toyo Tanso Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.12.2 Toyo Tanso Synthetic Graphite Product Portfolio
 - 14.12.3 Toyo Tanso Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.13 Teijin (Toho Tenax)
 - 14.13.1 Teijin (Toho Tenax) Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.13.2 Teijin (Toho Tenax) Synthetic Graphite Product Portfolio
 - 14.13.3 Teijin (Toho Tenax) Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.14 Mersen Group
 - 14.14.1 Mersen Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.14.2 Mersen Group Synthetic Graphite Product Portfolio
 - 14.14.3 Mersen Group Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.15 Ibiden
 - 14.15.1 Ibiden Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.15.2 Ibiden Synthetic Graphite Product Portfolio
 - 14.15.3 Ibiden Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.16 Asbury Graphite

14.16.1 Asbury Graphite Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.16.2 Asbury Graphite Synthetic Graphite Product Portfolio

14.16.3 Asbury Graphite Synthetic Graphite Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

15 INDUSTRY CHAIN ANALYSIS

15.1 Synthetic Graphite Industry Chain Analysis

15.2 Synthetic Graphite Industry Raw Material and Suppliers Analysis

15.2.1 Synthetic Graphite Key Raw Material Supply Analysis

15.2.2 Raw Material Suppliers and Contact Information

15.3 Synthetic Graphite Typical Downstream Customers

15.4 Synthetic Graphite Sales Channel Analysis

16 RESEARCH FINDINGS AND CONCLUSION

17 METHODOLOGY AND DATA SOURCE

17.1 Methodology/Research Approach

17.2 Research Scope

17.3 Benchmarks and Assumptions

17.4 Data Source

17.4.1 Primary Sources

17.4.2 Secondary Sources

17.5 Data Cross Validation

17.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Synthetic Graphite Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Synthetic Graphite Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Synthetic Graphite Industry Development Status

Table 4: Synthetic Graphite Industry Development Trends

Table 5: Global Synthetic Graphite Production Growth Rate (CAGR) by Region: 2024 VS 2025 VS 2032 (K Ton)

Table 6: Global Synthetic Graphite Production by Region (2020-2025) & (K Ton)

Table 7: Global Synthetic Graphite Production Forecast by Region (2026-2032) & (K Ton)

Table 8: Global Synthetic Graphite Production Market Share by Region (2020-2025)

Table 9: Global Synthetic Graphite Production Market Share by Region (2026-2032)

Table 10: Global Synthetic Graphite Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 11: Global Synthetic Graphite Revenue by Region (2020-2025) & (US\$ Million)

Table 12: Global Synthetic Graphite Revenue Market Share by Region (2020-2025)

Table 13: Global Synthetic Graphite Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 14: Global Synthetic Graphite Revenue Market Share Forecast by Region (2026-2032)

Table 15: Global Synthetic Graphite Sales by Region (2020-2025) & (K Ton)

Table 16: Global Synthetic Graphite Sales Market Share by Region (2020-2025)

Table 17: Global Synthetic Graphite Sales Forecast by Region (2026-2032) & (K Ton)

Table 18: Global Synthetic Graphite Sales Market Share Forecast by Region (2026-2032)

Table 19: Global Synthetic Graphite Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 20: Global Synthetic Graphite Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 21: Global Synthetic Graphite Sales Analysis by Type (2020-2025) & (K Ton)

Table 22: Global Synthetic Graphite Sales Analysis Forecast by Type (2026-2032) & (K Ton)

Table 23: Global Synthetic Graphite Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 24: Global Synthetic Graphite Revenue Analysis Forecast by Application

(2026-2032) & (US\$ Million)

Table 25: Global Synthetic Graphite Sales Analysis by Application (2020-2025) & (K Ton)

Table 26: Global Synthetic Graphite Sales Analysis Forecast by Application (2026-2032) & (K Ton)

Table 27: Key Synthetic Graphite Players in North America

Table 28: North America Synthetic Graphite Sales by Type (2020-2025) & (K Ton)

Table 29: North America Synthetic Graphite Sales by Type (2026-2032) & (K Ton)

Table 30: North America Synthetic Graphite Revenue by Type (2020-2025) & (US\$ Million)

Table 31: North America Synthetic Graphite Revenue by Type (2026-2032) & (US\$ Million)

Table 32: North America Synthetic Graphite Sales by Application (2020-2025) & (K Ton)

Table 33: North America Synthetic Graphite Sales by Application (2026-2032) & (K Ton)

Table 34: North America Synthetic Graphite Revenue by Application (2020-2025) & (US\$ Million)

Table 35: North America Synthetic Graphite Revenue by Application (2026-2032) & (US\$ Million)

Table 36: North America Synthetic Graphite Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 37: North America Synthetic Graphite Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 38: North America Synthetic Graphite Sales Market Size by Country (2020-2025) & (K Ton)

Table 39: North America Synthetic Graphite Sales Market Size by Country (2026-2032) & (K Ton)

Table 40: Key Synthetic Graphite Players in Europe

Table 41: Europe Synthetic Graphite Sales by Type (2020-2025) & (K Ton)

Table 42: Europe Synthetic Graphite Sales by Type (2026-2032) & (K Ton)

Table 43: Europe Synthetic Graphite Revenue by Type (2020-2025) & (US\$ Million)

Table 44: Europe Synthetic Graphite Revenue by Type (2026-2032) & (US\$ Million)

Table 45: Europe Synthetic Graphite Sales by Application (2020-2025) & (K Ton)

Table 46: Europe Synthetic Graphite Sales by Application (2026-2032) & (K Ton)

Table 47: Europe Synthetic Graphite Revenue by Application (2020-2025) & (US\$ Million)

Table 48: Europe Synthetic Graphite Revenue by Application (2026-2032) & (US\$ Million)

Table 49: Europe Synthetic Graphite Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 50: Europe Synthetic Graphite Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 51: Europe Synthetic Graphite Sales Market Size by Country (2020-2025) & (K Ton)

Table 52: Europe Synthetic Graphite Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 53: Key Synthetic Graphite Players in China

Table 54: China Synthetic Graphite Sales by Type (2020-2025) & (K Ton)

Table 55: China Synthetic Graphite Sales by Type (2026-2032) & (K Ton)

Table 56: China Synthetic Graphite Revenue by Type (2020-2025) & (US\$ Million)

Table 57: China Synthetic Graphite Revenue by Type (2026-2032) & (US\$ Million)

Table 58: China Synthetic Graphite Sales by Application (2020-2025) & (K Ton)

Table 59: China Synthetic Graphite Sales by Application (2026-2032) & (K Ton)

Table 60: China Synthetic Graphite Revenue by Application (2020-2025) & (US\$ Million)

Table 61: China Synthetic Graphite Revenue by Application (2026-2032) & (US\$ Million)

Table 62: Key Synthetic Graphite Players in APAC (excl. China)

Table 63: APAC (excl. China) Synthetic Graphite Sales by Type (2020-2025) & (K Ton)

Table 64: APAC (excl. China) Synthetic Graphite Sales by Type (2026-2032) & (K Ton)

Table 65: APAC (excl. China) Synthetic Graphite Revenue by Type (2020-2025) & (US\$ Million)

Table 66: APAC (excl. China) Synthetic Graphite Revenue by Type (2026-2032) & (US\$ Million)

Table 67: APAC (excl. China) Synthetic Graphite Sales by Application (2020-2025) & (K Ton)

Table 68: APAC (excl. China) Synthetic Graphite Sales by Application (2026-2032) & (K Ton)

Table 69: APAC (excl. China) Synthetic Graphite Revenue by Application (2020-2025) & (US\$ Million)

Table 70: APAC (excl. China) Synthetic Graphite Revenue by Application (2026-2032) & (US\$ Million)

Table 71: APAC (excl. China) Synthetic Graphite Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 72: APAC (excl. China) Synthetic Graphite Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 73: APAC (excl. China) Synthetic Graphite Sales Market Size by Country (2020-2025) & (K Ton)

Table 74: APAC (excl. China) Synthetic Graphite Sales Market Size Forecast by

Country (2026-2032) & (K Ton)

Table 75: Key Synthetic Graphite Players in Latin America

Table 76: Latin America Synthetic Graphite Sales by Type (2020-2025) & (K Ton)

Table 77: Latin America Synthetic Graphite Sales by Type (2026-2032) & (K Ton)

Table 78: Latin America Synthetic Graphite Revenue by Type (2020-2025) & (US\$ Million)

Table 79: Latin America Synthetic Graphite Revenue by Type (2026-2032) & (US\$ Million)

Table 80: Latin America Synthetic Graphite Sales by Application (2020-2025) & (K Ton)

Table 81: Latin America Synthetic Graphite Sales by Application (2026-2032) & (K Ton)

Table 82: Latin America Synthetic Graphite Revenue by Application (2020-2025) & (US\$ Million)

Table 83: Latin America Synthetic Graphite Revenue by Application (2026-2032) & (US\$ Million)

Table 84: Latin America Synthetic Graphite Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 85: Latin America Synthetic Graphite Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 86: Latin America Synthetic Graphite Sales Market Size by Country (2020-2025) & (K Ton)

Table 87: Latin America Synthetic Graphite Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 88: Key Synthetic Graphite Players in Middle East & Africa

Table 89: Middle East & Africa Synthetic Graphite Sales by Type (2020-2025) & (K Ton)

Table 90: Middle East & Africa Synthetic Graphite Sales by Type (2026-2032) & (K Ton)

Table 91: Middle East & Africa Synthetic Graphite Revenue by Type (2020-2025) & (US\$ Million)

Table 92: Middle East & Africa Synthetic Graphite Revenue by Type (2026-2032) & (US\$ Million)

Table 93: Middle East & Africa Synthetic Graphite Sales by Application (2020-2025) & (K Ton)

Table 94: Middle East & Africa Synthetic Graphite Sales by Application (2026-2032) & (K Ton)

Table 95: Middle East & Africa Synthetic Graphite Revenue by Application (2020-2025) & (US\$ Million)

Table 96: Middle East & Africa Synthetic Graphite Revenue by Application (2026-2032) & (US\$ Million)

Table 97: Middle East & Africa Synthetic Graphite Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 98: Middle East & Africa Synthetic Graphite Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 99: Middle East & Africa Synthetic Graphite Sales Market Size by Country (2020-2025) & (K Ton)

Table 100: Middle East & Africa Synthetic Graphite Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 101: Global Synthetic Graphite Market Sales by Key Manufacturers (2021-2025) & (K Ton)

Table 102: Global Synthetic Graphite Sales Market Share by Key Manufacturers (2021-2025)

Table 103: Global Synthetic Graphite Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 104: Global Synthetic Graphite Revenue Market Share by Key Manufacturers (2021-2025)

Table 105: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Ton)

Table 106: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 107: Market Mergers & Acquisitions, Expansion

Table 108: GrafTech Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 109: GrafTech Synthetic Graphite Product Portfolio

Table 110: GrafTech Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 111: Fangda Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 112: Fangda Carbon Synthetic Graphite Product Portfolio

Table 113: Fangda Carbon Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 114: Showa Denko Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 115: Showa Denko Synthetic Graphite Product Portfolio

Table 116: Showa Denko Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 117: Jilin Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 118: Jilin Carbon Synthetic Graphite Product Portfolio

Table 119: Jilin Carbon Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 120: Graphite India Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

- Table 121: Graphite India Synthetic Graphite Product Portfolio
- Table 122: Graphite India Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 123: Tokai Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 124: Tokai Carbon Synthetic Graphite Product Portfolio
- Table 125: Tokai Carbon Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 126: HEG Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 127: HEG Synthetic Graphite Product Portfolio
- Table 128: HEG Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 129: Nippon Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 130: Nippon Carbon Synthetic Graphite Product Portfolio
- Table 131: Nippon Carbon Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 132: Datong Xincheng New Material Co., Ltd Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 133: Datong Xincheng New Material Co., Ltd Synthetic Graphite Product Portfolio
- Table 134: Datong Xincheng New Material Co., Ltd Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 135: SEC Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 136: SEC Carbon Synthetic Graphite Product Portfolio
- Table 137: SEC Carbon Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 138: Toray Carbon Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 139: Toray Carbon Synthetic Graphite Product Portfolio
- Table 140: Toray Carbon Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 141: Toyo Tanso Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 142: Toyo Tanso Synthetic Graphite Product Portfolio
- Table 143: Toyo Tanso Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 144: Teijin (Toho Tenax) Basic Company Profile (Employees, Areas Service,

Competitors and Contact Information)

Table 145: Teijin (Toho Tenax) Synthetic Graphite Product Portfolio

Table 146: Teijin (Toho Tenax) Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 147: Mersen Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 148: Mersen Group Synthetic Graphite Product Portfolio

Table 149: Mersen Group Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 150: Ibiden Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 151: Ibiden Synthetic Graphite Product Portfolio

Table 152: Ibiden Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 153: Asbury Graphite Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 154: Asbury Graphite Synthetic Graphite Product Portfolio

Table 155: Asbury Graphite Synthetic Graphite Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 156: Upstream Key Raw Material Price List

Table 157: Synthetic Graphite Raw Material Suppliers and Contact Information

Table 158: Synthetic Graphite Typical Customer List

Table 159: Synthetic Graphite Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Synthetic Graphite Product Pictures

Figure 2: Graphite Electrodes Picture Scope

Figure 3: Carbon Fibers Picture Scope

Figure 4: Specialty Graphite Picture Scope

Figure 5: Graphite Granular & Powder Picture Scope

Figure 6: Others Picture Scope

Figure 7: Iron and Steel Industry Picture Scope

Figure 8: Battery Industry Picture Scope

Figure 9: Aluminum Industry Picture Scope

Figure 10: Industrial Components Picture Scope

Figure 11: Others Picture Scope

Figure 12: Global Synthetic Graphite Market Size Analysis: 2024 VS 2025 VS 2032
(US\$ Million)

Figure 13: Global Synthetic Graphite Market Revenue and Growth Rate Analysis:
(2020-2032) & (US\$ Million)

Figure 14: Global Synthetic Graphite Market Sales and Growth Rate Analysis
(2020-2032) & (K Ton)

Figure 15: Global Synthetic Graphite Market Price Trend Analysis (2020-2032) &
(USD/Ton)

Figure 16: Global Synthetic Graphite Capacity, Production and Utilization (2019-2030) &
(K Ton)

Figure 17: Global Synthetic Graphite Production by Region: 2023 VS 2024 VS 2030 (K
Ton)

Figure 18: Global Synthetic Graphite Production Market Share by Region in Percentage:
2024 Versus 2030

Figure 19: Global Synthetic Graphite Production Market Share by Region (2019-2030)

Figure 20: Global Synthetic Graphite Market Size by Region (2020-2032) & (US\$ Million)

Figure 21: Global Synthetic Graphite Market Share Scenario by Region in Percentage:
2025 Versus 2032

Figure 22: Global Synthetic Graphite Sales Price by Region (2020-2032) & (K Ton)

Figure 23: North America Synthetic Graphite Market Size and Growth Rate (2020-2032)
& (US\$ Million)

Figure 24: North America Synthetic Graphite Revenue Market Share by Players in 2024

Figure 25: North America Synthetic Graphite Sales Market Share by Type (2020-2032)

Figure 26: North America Synthetic Graphite Revenue Market Share by Type

(2020-2032)

Figure 27:North America Synthetic Graphite Sales Market Share by Application

(2020-2032)

Figure 28:North America Synthetic Graphite Revenue Market Share by Application

(2020-2032)

Figure 29:US Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 30:Canada Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 31:Europe Synthetic Graphite Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 32:Europe Synthetic Graphite Revenue Market Share by Players in 2024

Figure 33:Europe Synthetic Graphite Sales Market Share by Type (2020-2032)

Figure 34:Europe Synthetic Graphite Revenue Market Share by Type (2020-2032)

Figure 35:Europe Synthetic Graphite Sales Market Share by Application (2020-2032)

Figure 36:Europe Synthetic Graphite Revenue Market Share by Application (2020-2032)

Figure 37:Germany Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 38:France Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 39:United Kingdom Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 40:Italy Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 41:Spain Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 42:Benelux Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 43:China Synthetic Graphite Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 44:China Synthetic Graphite Revenue Market Share by Players in 2024

Figure 45:China Synthetic Graphite Sales Market Share by Type (2020-2032)

Figure 46:China Synthetic Graphite Revenue Market Share by Type (2020-2032)

Figure 47:China Synthetic Graphite Sales Market Share by Application (2020-2032)

Figure 48:China Synthetic Graphite Revenue Market Share by Application (2020-2032)

Figure 49:APAC (excl. China) Synthetic Graphite Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 50:APAC (excl. China) Synthetic Graphite Revenue Market Share by Players in 2024

Figure 51:APAC (excl. China) Synthetic Graphite Sales Market Share by Type (2020-2032)

Figure 52:APAC (excl. China) Synthetic Graphite Revenue Market Share by Type (2020-2032)

Figure 53:APAC (excl. China) Synthetic Graphite Sales Market Share by Application (2020-2032)

Figure 54:APAC (excl. China) Synthetic Graphite Revenue Market Share by Application

(2020-2032)

Figure 55:Japan Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 56:South Korea Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 57:India Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 58:Australia Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 59:Southeast Asia Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 60:Latin America Synthetic Graphite Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 61:Latin America Synthetic Graphite Revenue Market Share by Players in 2024

Figure 62:Latin America Synthetic Graphite Sales Market Share by Type (2020-2032)

Figure 63:Latin America Synthetic Graphite Revenue Market Share by Type (2020-2032)

Figure 64:Latin America Synthetic Graphite Sales Market Share by Application (2020-2032)

Figure 65:Latin America Synthetic Graphite Revenue Market Share by Application (2020-2032)

Figure 66:Mexico Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 67:Brazil Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 68:Middle East & Africa Synthetic Graphite Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 69:Middle East & Africa Synthetic Graphite Revenue Market Share by Players in 2024

Figure 70:Middle East & Africa Synthetic Graphite Sales Market Share by Type (2020-2032)

Figure 71:Middle East & Africa Synthetic Graphite Revenue Market Share by Type (2020-2032)

Figure 72:Middle East & Africa Synthetic Graphite Sales Market Share by Application (2020-2032)

Figure 73:Middle East & Africa Synthetic Graphite Revenue Market Share by Application (2020-2032)

Figure 74:Saudi Arabia Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 75:South Africa Synthetic Graphite Revenue (2020-2032) & (US\$ Million)

Figure 76:Global Synthetic Graphite Sales Market Share by Key Manufacturers in 2024

Figure 77:Global Synthetic Graphite Revenue Market Share by Key Manufacturers in 2024

Figure 78:Global Synthetic Graphite Industry Competition Landscape

Figure 79:Synthetic Graphite Industry Chain Analysis

Figure 80:Bottom-Up and Top-Down Research Methods

Figure 81:Key Interview Objectives

Figure 82:Data Cross Validation

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