

# Carbon and Graphite: Market Research Report

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## Abstracts

This report analyzes the worldwide markets for Carbon and Graphite in US\$ by the following Categories/Segments: C&G Electrodes (Carbon Electrodes, & Graphite Electrodes), C&G Fibers, C&G Powder, and Others. The report also analyzes the Carbon & Graphite Fibers Market by the following End-Use Industries: Industrial Applications, Aerospace Industry, and Other Applications.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 121 companies including many key and niche players such as -

Cabot Corporation

Solvay SA

GrafTech International Holdings Inc.

HEG Ltd.

Hexcel Corporation

Mersen S.A.



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#### Graphite Market in Canada

#### New Large-Flake Graphite Mines Boost Market Prospects for Canada

#### Trade Statistics

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#### A. Market Analysis

##### Current and Future Analysis

#### B. Market Analytics

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## 8.4 Europe

### A. Market Analysis

#### Current and Future Analysis

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Carbon & Natural- Fiber Reinforced Thermoplastics to Offer Good Competition to Glass Fibers

### B. Market Analytics

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##### A. Market Analysis

##### Current and Future Analysis

##### B. Market Analytics

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#### 8.4.2 Germany

##### A. Market Analysis

##### Current and Future Analysis

##### B. Market Analytics

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##### A. Market Analysis

##### Current and Future Analysis

##### Carbon Fiber Composites Market: An Insight

##### EU Legislations Driving Carbon Fiber Market in the UK

##### B. Market Analytics

**Table 159.** The UK Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 160.** The UK Historic Review for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 161.** The UK 14-Year Perspective for Carbon and Graphite by Product Category/Segment - Percentage Breakdown of Dollar Sales for Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 162.** The UK Recent Past, Current & Future Analysis for Carbon & Graphite Fibers by End-Use Sector - Industrial, Aerospace and Other End-Use Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

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**Table 164.** The UK 14-Year Perspective for Carbon & Graphite Fibers by End-Use Sector - Percentage Breakdown of Dollar Sales for Industrial, Aerospace and Other End-Use Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

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**Table 165.** Spanish Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 166.** Spanish Historic Review for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 167.** Spanish 14-Year Perspective for Carbon and Graphite by Product Category/Segment - Percentage Breakdown of Dollar Sales for Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

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##### A. Market Analysis

##### Current and Future Analysis

##### Russian Graphite Industry – An Overview

##### Russia Plans for Expanding Graphite Production Volume

##### B. Market Analytics

**Table 171.** Russian Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 172.** Russian Historic Review for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 173.** Russian 14-Year Perspective for Carbon and Graphite by Product Category/Segment - Percentage Breakdown of Dollar Sales for Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 174.** Russian Recent Past, Current & Future Analysis for Carbon & Graphite Fibers by End-Use Sector - Industrial, Aerospace and Other End-Use Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

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**Table 176.** Russian 14-Year Perspective for Carbon & Graphite Fibers by End-Use Sector - Percentage Breakdown of Dollar Sales for Industrial, Aerospace and Other End-Use Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

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##### A. Market Analysis

##### Current and Future Analysis

##### B. Market Analytics

**Table 177.** Rest of European Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

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**Table 179.** Rest of European 14-Year Perspective for Carbon and Graphite by Product Category/Segment - Percentage Breakdown of Dollar Sales for Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 180.** Rest of European Recent Past, Current & Future Analysis for Carbon & Graphite Fibers by End-Use Sector - Industrial, Aerospace and Other End-Use Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 181.** Rest of European Historic Review for Carbon & Graphite Fibers by End-Use

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**Table 182.** Rest of European 14-Year Perspective for Carbon & Graphite Fibers by End-Use Sector - Percentage Breakdown of Dollar Sales for Industrial, Aerospace and Other End-Use Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

## 8.5 Asia-Pacific

### A. Market Analysis

#### Asia – The Global Graphite Hub

### B. Market Analytics

**Table 183.** Asia-Pacific Recent Past, Current & Future Analysis for Carbon and Graphite by Geographic Region/ Country - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

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**Table 186.** Asia-Pacific Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/ Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 187.** Asia-Pacific Historic Review for Carbon and Graphite by Product Category/ Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets

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**Table 188.** Asia-Pacific 14-Year Perspective for Carbon and Graphite by Product Category/Segment - Percentage Breakdown of Dollar Sales for Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 189.** Asia-Pacific Recent Past, Current & Future Analysis for Carbon & Graphite Fibers by End-Use Sector - Industrial, Aerospace and Other End-Use Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 190.** Asia-Pacific Historic Review for Carbon & Graphite Fibers by End-Use Sector - Industrial, Aerospace and Other End-Use Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 191.** Asia-Pacific 14-Year Perspective for Carbon & Graphite Fibers by End-Use Sector - Percentage Breakdown of Dollar Sales for Industrial, Aerospace and Other End-Use Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

### 8.5.1 China

#### A. Market Analysis

#### Current and Future Analysis

#### China – The World's Largest Producer of Natural Graphite

**Table 192.** Graphite Mine Production in China in '000 Metric Tons for the Period 2012-2017 and 2016E (includes corresponding Graph/Chart)

Closure of Natural Graphite Mines Threatens Global Supply

Low Quality: A Major Problem with Chinese Graphite Ore

Restrictions on Graphite Raw Material Supplies – A Strategy to Improve Revenues

China Introduces Credit Score System to Enable Increased EV Production by 2020

Steel Industry Dynamics to Impact Demand for Graphite Electrodes

**Table 193.** Crude Steel Production in China (2017): Percentage Share Breakdown of Production Output by Process - Electric Furnaces and Oxygen-blown Converters (includes corresponding Graph/Chart)

**Table 194.** China Graphite Electrode Market (2017): Percentage Share Breakdown of Production Volume by Type of Graphite Electrode (includes corresponding Graph/Chart)

Carbon Fiber: A Promising Market

**Table 195.** Chinese Carbon Fiber Market - Production Capacity (in Thousand Tons) of Leading Producers for 2015 (includes corresponding Graph/Chart)

China – A Major Producer of Carbon Black  
Activated Carbon Market – An Insight

**Table 196.** Chinese Market for Activated Carbon (2015 and 2020E): Percentage Breakdown of Volume Consumption by Application Structure (includes corresponding Graph/Chart)

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**Table 197.** Chinese Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 198.** Chinese Historic Review for Carbon and Graphite by Product Category/Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets

Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 199.** Chinese 14-Year Perspective for Carbon and Graphite by Product Category/ Segment - Percentage Breakdown of Dollar Sales for Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 200.** Chinese Recent Past, Current & Future Analysis for Carbon & Graphite Fibers by End-Use Sector - Industrial, Aerospace and Other End-Use Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

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**Table 202.** Chinese 14-Year Perspective for Carbon & Graphite Fibers by End-Use Sector - Percentage Breakdown of Dollar Sales for Industrial, Aerospace and Other End-Use Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

## 8.5.2 India

### A. Market Analysis

#### Current and Future Analysis

#### India – A Major Producer of Flake Graphite

**Table 203.** Natural Graphite Production in India (2016 and 2017) (in Thousand Metric Tons) (includes corresponding Graph/Chart)

**Table 204.** Number of Graphite Mines in India (2016-17) (includes corresponding Graph/Chart)

**Table 205.** Indian Graphite Market by End-Use Industry (2017): Percentage Share Breakdown of Volume Consumption for Chemicals, Dry Cell Battery. Electrode, Foundry, Graphite Products (Crucible), Graphite Products (Pencil), Refractory, and

Others (includes corresponding Graph/Chart)

India Reviews Anti-Dumping Duties on Imports and Implements Tariff on Exports

Carbon Fiber Market: An Overview

Carbon Black Market in India: An Insight

**Table 206.** Carbon Black Market in India (2017): Percentage Share Breakdown of Volume Demand by End-Use Sector - Belts & Hoses, Rubber, Tires and Others (includes corresponding Graph/Chart)

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**Table 207.** Indian Recent Past, Current & Future Analysis for Carbon and Graphite by Product Category/ Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 208.** Indian Historic Review for Carbon and Graphite by Product Category/ Segment - Carbon & Graphite Electrodes (Carbon Electrodes and Graphite Electrodes), Carbon & Graphite Fibers, Carbon & Graphite Powders and Others Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

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##### Current and Future Analysis

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#### B. Market Analytics

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##### Current and Future Analysis

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### A. Market Analysis

#### Current and Future Analysis

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### B. Market Analytics

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## 9. COMPANY PROFILES

Total Companies Profiled: 121 (including Divisions/Subsidiaries - 143)

The United States (36)

Canada (2)

Japan (21)

Europe (30)

France (2)

Germany (5)

The United Kingdom (5)  
Italy (1)  
Rest of Europe (17)  
Asia-Pacific (Excluding Japan) (46)  
Latin America (5)  
Africa (3)

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