

# Global Graphite Market – Types, Sub-Types and Applications

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## **Abstracts**

## **REPORT SYNOPSIS**

Graphite is a naturally-occurring form of crystalline carbon that is a native mineral element found in metamorphic and igneous rocks. This element can be termed a mineral of extremes, in that it is outstandingly soft, cleaves with the minimum of pressure and has a very low specific gravity. Graphite also has exceptional resistance to heat and is virtually inert in contact with almost any other material. Due to these extreme properties, this versatile element finds a wide range of applications in the metallurgical and electrical sectors, among others.

The global outbreak of Covid-19 or the novel coronavirus has had a profound impact on the commodities market, of which graphite, too, is a part. China, the world's largest producer of graphite accounting for over 70% of the global total, is where this pandemic reared its ugly head and impacted production to a large extent.

The global value market for Graphite by application is the largest for Metallurgy, estimated at US\$7.9 billion (37.3% share) in 2019, which is projected to reach US\$10.2 billion by 2026 at a CAGR of 3.8% between the two years. The global volume market for Graphite in Electrical Applications is likely to record the fastest similar period CAGR of 4.5% bet ween 2019 and 2026.

Research Findings & Coverage

The Graphite global report analyzes the market with respect to product types/sub-types and applications



Graphite market size is estimated/projected in this report by product type/sub-type and applications across all major countries

Graphite Market Undergoing Rapid Transformation

Graphene from Graphite: A Gamechanging Material with Enormous Potential

Turbulent Times Challenging the Market for Graphite Electrodes

3D Mapping of Graphite Mines Being Done Using Underground Drones

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled - 61

The industry guide includes the contact details for 151 companies

## PRODUCT OUTLINE

The market for product types of Graphite studied in this report comprise the following:

Natural Graphite

Amorphous Graphite

Flake Graphite (further segmented based on Flake Size)

Jumbo Flakes

Large Flakes

Medium Flakes

Small Flakes

Fine Flakes



Synthetic Graph	nite
Carbon	Fibers

**Graphite Blocks** 

**Graphite Electrodes** 

**Graphite Powder** 

Other Sub-Types

The report analyzes the market for the following applications of Graphite:

**Electrical Applications** 

Metallurgical Applications

**Technical Applications** 

Other Applications

## Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Graphite market for the period 2017-2026 in terms of both market volume in Tons and value in US\$; and the compound annual growth rates (CAGRs) projected from 2019 through 2026.

# Geographic Coverage

North America (The United States, Canada and Mexico)

Europe (France, Germany, Italy, Russia, Spain, United Kingdom and Rest of Europe)

Asia-Pacific (Australia, China, India, Japan, South Korea and Rest of Asia-



Pacific)

South America (Argentina, Brazil and Rest of South America)

Rest of World



# **Contents**

## PART A: GLOBAL MARKET PERSPECTIVE

#### 1. INTRODUCTION

- 1.1 Product Outline
  - 1.1.1 A Primer on Carbon and its Forms
  - 1.1.2 An Introduction to Graphite
    - 1.1.2.1 Structure of the Graphite Crystal
      - 1.1.2.1.1 Hexagonal Graphite
      - 1.1.2.1.2 Rhombohedral Graphite
    - 1.1.2.2 Physical Properties of Graphite
      - 1.1.2.2.1 Anisotropy of the Graphite Crystal
      - 1.1.2.2.2 Summary of Graphite's Physical Properties
      - 1.1.2.2.3 Density
      - 1.1.2.2.4 Melting, Sublimation and Triple Point
      - 1.1.2.2.5 Heat of Vaporization
    - 1.1.2.3 Thermal Properties of Graphite
      - 1.1.2.3.1 Summary of Thermal Properties
      - 1.1.2.3.2 Heat Capacity (Specific Heat)
      - 1.1.2.3.3 Thermal Conductivity
      - 1.1.2.3.4 Thermal Expansion
    - 1.1.2.4 Electrical Properties of Graphite
      - 1.1.2.4.1 Electrical Resistivity
      - 1.1.2.4.2 Resistivity and Temperature
    - 1.1.2.5 Mechanical Properties of Graphite
    - 1.1.2.6 Chemical Properties of Graphite
      - 1.1.2.6.1 Summary of Chemical Properties
      - 1.1.2.6.2 Reaction with Oxygen and Hydrogen
      - 1.1.2.6.3 Reaction with Metals
    - 1.1.2.6.4 Reaction with Halogens, Acids and Alkalis
  - 1.1.3 Occurrence and Classification of Natural Graphite
    - 1.1.3.1 Types of Natural Graphite
      - 1.1.3.1.1 Amorphous Graphite
        - 1.1.3.1.1.1 Applications
      - 1.1.3.1.2 Flake Graphite
      - 1.1.3.1.2.1 Applications
      - 1.1.3.1.3 Vein Graphite



- 1.1.3.1.3.1 Applications
- 1.1.4 Synthetic Graphite
  - 1.1.4.1 A Short History of Synthetic Graphite
  - 1.1.4.2 High-Temperature Processing of Amorphous Carbon
  - 1.1.4.3 Hard and Soft Carbons
  - 1.1.4.4 Production of Synthetic Graphite
    - 1.1.4.4.1 Basic Feedstocks
    - 1.1.4.4.2 Petroleum Coke and Calcined Petroleum Coke
    - 1.1.4.4.3 The Coking Process
    - 1.1.4.4.4 Details of Liquid Side Coking
    - 1.1.4.4.5 Details of Solid Side Coking
    - 1.1.4.4.6 Coking
  - 1.1.4.5 Calcining Process
  - 1.1.4.6 Manufacture of Synthetic Graphite
    - 1.1.4.6.1 Powder Preparation
    - 1.1.4.6.2 Shape Forming
      - 1.1.4.6.2.1 Cold Isostatic Pressing
      - 1.1.4.6.2.2 Extrusion
      - 1.1.4.6.2.3 Die Molding
    - 1.1.4.6.3 Baking
    - 1.1.4.6.4 Graphitization
    - 1.1.4.6.5 Pyrolytic Graphite
  - 1.1.4.7 Sub-Types of Synthetic Graphite
    - 1.1.4.7.1 Carbon Fibers
    - 1.1.4.7.2 Graphite Blocks
    - 1.1.4.7.3 Graphite Electrodes
    - 1.1.4.7.4 Graphite Powder
    - 1.1.4.7.5 Other Sub-Types of Synthetic Graphite
- 1.1.5 Applications of Graphite
  - 1.1.5.1 Metallurgical Applications
    - 1.1.5.1.1 Refractories
      - 1.1.5.1.1.1 Carbonaceous Refractory Materials
        - 1.1.5.1.1.1 Carbon
        - 1.1.5.1.1.1.2 Hot Pressed Carbon
        - 1.1.5.1.1.1.3 Graphite
        - 1.1.5.1.1.1.4 Semigraphite
        - 1.1.5.1.1.5 Hot Pressed Semigraphite
        - 1.1.5.1.1.1.6 Semigraphitized Carbon
      - 1.1.5.1.1.2 Properties and Characteristics of Carbonaceous Materials



- 1.1.5.1.1.2.1 Carbon
- 1.1.5.1.1.2.2 Graphite, Semigraphite and Semigraphitized Carbon
- 1.1.5.1.1.3 Manufacturing
- 1.1.5.1.1.4 Physicochemical Properties
- 1.1.5.1.1.5 Applications
- 1.1.5.1.2 Carbon Raisers
- 1.1.5.1.3 Molds & Castings
  - 1.1.5.1.3.1 Properties of Graphite for Continuous Casting Molds
    - 1.1.5.1.3.1.1 Low Wettability
    - 1.1.5.1.3.1.2 High Thermal Conductivity
    - 1.1.5.1.3.1.3 Low Coefficient of Thermal Expansion
    - 1.1.5.1.3.1.4 High Thermal Shock Resistance
    - 1.1.5.1.3.1.5 Self-Lubrication
    - 1.1.5.1.3.1.6 Good Mechanical Strength
    - 1.1.5.1.3.1.7 Good Machinability
- 1.1.5.1.4 Powder Metallurgy & Alloys
- 1.1.5.2 Electrical Applications
  - 1.1.5.2.1 Lithium-Ion (Li-Ion) Batteries
  - 1.1.5.2.2 Vanadium Redox Flow Batteries
  - 1.1.5.2.3 Fuel Cells
  - 1.1.5.2.4 Carbon Brushes
    - 1.1.5.2.4.1 Carbon Graphite Brushes
  - 1.1.5.2.4.2 Electrographitic Brushes
  - 1.1.5.2.4.3 Graphite Brushes
  - 1.1.5.2.4.4 Metal Graphite Brushes
- 1.1.5.3 Technical Applications
  - 1.1.5.3.1 Expandable Graphite
    - 1.1.5.3.1.1 Expandable Graphite Products
      - 1.1.5.3.1.1.1 Graphite Foil
      - 1.1.5.3.1.1.2 Graphite Paper/Graphite Sheet
      - 1.1.5.3.1.1.3 Flame Retardant Polystyrene Insulation Foam
  - 1.1.5.3.2 Thermal Management
  - 1.1.5.3.3 Flame Retardants
  - 1.1.5.3.4 Brake Linings & Clutch Facings
  - 1.1.5.3.5 Insulation
  - 1.1.5.3.6 Nuclear Reactors
- 1.1.5.4 Other Applications
  - 1.1.5.4.1 Pencils
  - 1.1.5.4.2 Lubricants



#### 2. KEY MARKET TRENDS

- 2.1 Graphite Market Undergoing Rapid Transformation
- 2.2 Graphene from Graphite: A Gamechanging Material with Enormous Potential
- 2.3 Expandable Graphite Improves Flame Retardant Performance of Rigid Polyurethane Foams
- 2.4 Turbulent Times Challenging the Market for Graphite Electrodes
- 2.5 Innovative Technology Uses Recycled Tires for Making Graphite
- 2.6 3D Mapping of Graphite Mines Being Done Using Underground Drones

#### 3. KEY GLOBAL PLAYERS

Advanced Metallurgic Group NV (The Netherlands)

Asbury Carbons, Inc (United States)

Beijing Great Wall Co., Ltd (China)

**BGWI Carbon Graphite (China)** 

BTR New Material Group Co., Ltd. (China)

Canada Carbon, Inc. (Canada)

Ceylon Graphite Corporation (Canada)

China Carbon Graphite Group, Inc. (China)

Chotanagpur Graphite Pvt., Ltd (India)

Directa Plus S.p.A. (Italy)

Dominik Georg Luh Technografit GmbH (Germany)

Ecograph Limited (Australia)

Energoprom Group (Russia)

First Graphene Limited (Australia)

G6 Materials Corporation (United States)

GES Middle East FZE (United Arab Emirates)

Global Graphene Group (United States)

Graftech International Ltd (United States)

Graphenea S.A (Spain)

Graphexel Ltd (United Kingdom)

Graphite India Limited (India)

Hensen Graphite Co., Ltd. (China)

Hexagon Energy Materials Limited (Australia)

Hitachi Chemical Co., Ltd. (Japan)

Imagine Intelligent Materials Pty Ltd. (Australia)

Imerys Graphite & Carbon (Switzerland)



Jiaozuo Zhongzhou Carbon Co., Ltd (China)

Jilin Songjiang Carbon Import & Export Co., Ltd. (China)

Lincoln Minerals Limited (Australia)

Magnis Energy Technologies Ltd (Australia)

Mason Graphite, Inc. (Canada)

Mersen Group (France)

Morgan Advanced Materials (United Kingdom)

Nanoxplore, Inc (Canada)

NGS Trading & Consulting GmbH (Germany)

Nippon Carbon Co., Ltd (Japan)

Nippon Graphite Industries, Co., Ltd. (Japan)

Novocarbon Corporation (Canada)

Qingdao Tennry Carbon Co., Ltd (China)

SGL Carbon SE (Germany)

Sinosteel Germany GmbH (Germany)

Superior Graphite Co (United States)

Syrah Resources Ltd (Australia)

The UK Carbon & Graphite Company Limited (United Kingdom)

Triton Minerals Limited (Australia)

Yichang Xincheng Graphite Co., Ltd (China)

## 4. KEY BUSINESS & PRODUCT TRENDS

Canada Carbon, Inc Receives Graphite Orders from ARMI

iCraft Unveils Graphene Cosmetic Face Mask

EcoGraf Ltd Commissions Lithium-Ion Battery Recycling Trial

ZEN to Commence Albany Pure Graphene products

FGL to Supply Graphene to Steel Blue

Spherical Graphite Production by Nouveau

Thomas Swan and GEIC Collaborate on Graphene Development

SGL Carbon SE Inaugurate New Graphite Center in Bonn, Germany

Sarcon Starts Commercial Production at its K1 Graphite Mining Project at Karasnagla,

Sri Lanka

Lomiko to Supply Graphite Anodes for Electric Vehicles (EV) Li-ion Battery Mega-

**Factories** 

Renascor and Sicona Join Forces to Develop Battery Anode Material

Saint Jean Receives Graphene Projects from K-Technology

Berkwood and C6 Join Hands on Graphite Project

WWR and ANZAPLAN Collaborate on Graphite Program



FGL Unveils New Graphene Powders

Superior Graphite Co Establishes New Specialty Carbon Products Plant in Hopkinsville, Kentucky

Eagle and GLC Sign Letter of Intent

NextSource Secures Molo SuperFlake Graphite Trademark

FGL and University of Manchester Agree to Develop Graphene-based Materials

Westwater to Purchase Natural Flake Graphite Concentrate for Coosa Graphite Project in Alabama

Berkwood Discloses Expandable Graphite Test Results

SRG Mining, Inc Conducts Study on Lola Graphite Project in the Republic of Guinea, West Africa

Graphene 3D Lab Inc Develops High-performance Graphene Composites

Nanoxplore, Inc Establish Graphene Facility in Quebec

NovoCarbon Selects Versarien Plc as Supply Chain Partner

Haydale Ltd to Make Graphene Ink-based Heaters for Gas Pre-heating

FGI to Announce GRAFOID's Launch of its Innovative Suite of Oxidized Graphene

Products – GNOX

NGC to Expand Bissett Creek Graphite Capacity

Ceylon Announces New Graphite Discovery in Sri Lanka

Black Rock and Bohao Executive Agreement on Blended Graphite Concentrate

Directa and Arvind Limited Agree to Develop Graphene-based Products for Use in

Textile Sector

Mason Announces Gueret graphite Project and Corporate Highlights

NextSource Enters an Agreement with Japanese Graphite Trading Company

Black Rock Signs Strategic Agreement with Yantai Jinyuan

Canada Carbon, Inc to Supply High Grade Graphite to Dunedin

NovoCarbon Initiates Graphite Purification Operations in NewYork State

Westwater Produces Purified Micronized Graphite (PMG)

Mersen Acquires Louisville Graphite Inc

Black Rock Delivers World's First 99%+ Purity Graphite Concentrate

Next Graphite, Inc Commissions Aukam Processing Plant

Westwater Acquires Alabama Graphite Corporation

Directa and Sartec Collaborate to Develop Commercial-Scale Industrial System

Colmar and Eurojersey Acquire Directa's Graphene Plus (G+) Technology

Saint Jean to Acquire 95% State in Lochaber Graphite Deposit

## 5. GLOBAL MARKET OVERVIEW

5.1 Global Graphite Market Overview by Type



- 5.1.1 Graphite Type Market Overview by Global Region
  - 5.1.1.1 Natural Graphite
    - 5.1.1.1.1 Global Natural Graphite Market Overview by Sub-Type
      - 5.1.1.1.1 Natural Graphite Sub-Type Market Overview by Global Region
        - 5.1.1.1.1.1 Amorphous Graphite
        - 5.1.1.1.1.2 Flake Graphite
          - 5.1.1.1.1.2.1 Global Natural Flake Graphite Market Overview by Flake Size
          - 5.1.1.1.1.2.1.1 Flake Graphite Flake Size Market Overview by Global Region
            - 5.1.1.1.1.2.1.1.1 Jumbo Flakes
            - 5.1.1.1.1.2.1.1.2 Large Flakes
            - 5.1.1.1.1.2.1.1.3 Medium Flakes
            - 5.1.1.1.1.1.2.1.1.4 Small Flakes
            - 5.1.1.1.1.2.1.1.5 Fine Flakes
  - 5.1.1.2 Synthetic Graphite
    - 5.1.1.2.1 Global Synthetic Graphite Market Overview by Sub-Type
      - 5.1.1.2.1.1 Synthetic Graphite Sub-Type Market Overview by Global Region
        - 5.1.1.2.1.1.1 Synthetic Graphite Carbon Fibers
        - 5.1.1.2.1.1.2 Synthetic Graphite Blocks
        - 5.1.1.2.1.1.3 Synthetic Graphite Electrodes
        - 5.1.1.2.1.1.4 Synthetic Graphite Powder
        - 5.1.1.2.1.1.5 Other Synthetic Graphite Sub-Types
- 5.2 Global Graphite Market Overview by Application
  - 5.2.1 Graphite Application Market Overview by Global Region
    - 5.2.1.1 Electrical Applications
    - 5.2.1.2 Metallurgical Applications
    - 5.2.1.3 Technical Applications
  - 5.2.1.4 Other Applications

## PART B: REGIONAL MARKET PERSPECTIVE

Global Graphite Market Overview by Geographic Region

## REGIONAL MARKET OVERVIEW

## 6. NORTH AMERICA

- 6.1 North American Graphite Market Overview by Geographic Region
- 6.2 North American Graphite Market Overview by Type
  - 6.2.1 North American Natural Graphite Market Overview by Sub-Type



6.2.1.1 North American Natural Flake Graphite Market Overview by Flake Size

6.2.2 North American Synthetic Graphite Market Overview by Sub-Type

6.3 North American Graphite Market Overview by Application

6.4 Major Market Players

Asbury Carbons, Inc (United States)

Canada Carbon, Inc. (Canada)

Ceylon Graphite Corporation (Canada)

Eagle Graphite, Inc (Canada)

Focus Graphite, Inc. (Canada)

G6 Materials Corporation (United States)

Global Graphene Group (United States)

GrafTech International Ltd (United States)

Lomiko Metals, Inc. (Canada)

Mason Graphite, Inc. (Canada)

Nanoxplore, Inc (Canada)

Next Graphite, Inc (United States)

Northern Graphite Corporation (Canada)

Novocarbon Corporation (Canada)

Superior Graphite Co (United States)

6.5 Country-wise Analysis of North American Graphite Market

6.5.1 The United States

6.5.1.1 United States' Graphite Market Overview by Type

6.5.1.1.1 United States' Natural Graphite Market Overview by Sub-Type

6.5.1.1.1.1 United States' Natural Flake Graphite Market Overview by Flake Size

6.5.1.1.2 United States' Synthetic Graphite Market Overview by Sub-Type

6.5.1.2 United States' Graphite Market Overview by Application

6.5.2 Canada

6.5.2.1 Canadian Graphite Market Overview by Type

6.5.2.1.1 Canadian Natural Graphite Market Overview by Sub-Type

6.5.2.1.1.1 Canadian Natural Flake Graphite Market Overview by Flake Size

6.5.2.1.2 Canadian Synthetic Graphite Market Overview by Sub-Type

6.5.2.2 Canadian Graphite Market Overview by Application

6.5.3 Mexico

6.5.3.1 Mexican Graphite Market Overview by Type

6.5.3.1.1 Mexican Natural Graphite Market Overview by Sub-Type

6.5.3.1.1.1 Mexican Natural Flake Graphite Market Overview by Flake Size

6.5.3.1.2 Mexican Synthetic Graphite Market Overview by Sub-Type

6.5.3.2 Mexican Graphite Market Overview by Application



## 7. EUROPE

- 7.1 European Graphite Market Overview by Geographic Region
- 7.2 European Graphite Market Overview by Type
  - 7.2.1 European Natural Graphite Market Overview by Sub-Type
  - 7.2.1.1 European Natural Flake Graphite Market Overview by Flake Size
  - 7.2.2 European Synthetic Graphite Market Overview by Sub-Type
- 7.3 European Graphite Market Overview by Application
- 7.4 Major Market Players

Abalonyx AS (Norway)

Advanced Metallurgic Group NV (The Netherlands)

Directa Plus S.p.A. (Italy)

Dominik Georg Luh Technografit GmbH (Germany)

**Energoprom Group (Russia)** 

Graphenea S.A (Spain)

Graphexel Ltd (United Kingdom)

Graphit Kropfmuhl Gmbh (Germany)

Imerys Graphite & Carbon (Switzerland)

Mersen Group (France)

Morgan Advanced Materials (United Kingdom)

NGS Trading & Consulting GmbH (Germany)

SGL Carbon SE (Germany)

Sinosteel Germany GmbH (Germany)

The UK Carbon & Graphite Company Limited (United Kingdom)

7.5 Country-wise Analysis of European Graphite Market

- 7.5.1 France
  - 7.5.1.1 French Graphite Market Overview by Type
    - 7.5.1.1.1 French Natural Graphite Market Overview by Sub-Type
    - 7.5.1.1.1.1 French Natural Flake Graphite Market Overview by Flake Size
    - 7.5.1.1.2 French Synthetic Graphite Market Overview by Sub-Type
  - 7.5.1.2 French Graphite Market Overview by Application
- 7.5.2 Germany
  - 7.5.2.1 German Graphite Market Overview by Type
    - 7.5.2.1.1 German Natural Graphite Market Overview by Sub-Type
      - 7.5.2.1.1.1 German Natural Flake Graphite Market Overview by Flake Size
    - 7.5.2.1.2 German Synthetic Graphite Market Overview by Sub-Type
  - 7.5.2.2 German Graphite Market Overview by Application
- 7.5.3 Italy
- 7.5.3.1 Italian Graphite Market Overview by Type



- 7.5.3.1.1 Italian Natural Graphite Market Overview by Sub-Type
- 7.5.3.1.1.1 Italian Natural Flake Graphite Market Overview by Flake Size
- 7.5.3.1.2 Italian Synthetic Graphite Market Overview by Sub-Type
- 7.5.3.2 Italian Graphite Market Overview by Application
- 7.5.4 Russia
  - 7.5.4.1 Russian Graphite Market Overview by Type
    - 7.5.4.1.1 Russian Natural Graphite Market Overview by Sub-Type
      - 7.5.4.1.1.1 Russian Natural Flake Graphite Market Overview by Flake Size
    - 7.5.4.1.2 Russian Synthetic Graphite Market Overview by Sub-Type
  - 7.5.4.2 Russian Graphite Market Overview by Application
- 7.5.5 Spain
  - 7.5.5.1 Spanish Graphite Market Overview by Type
  - 7.5.5.1.1 Spanish Natural Graphite Market Overview by Sub-Type
  - 7.5.5.1.1.1 Spanish Natural Flake Graphite Market Overview by Flake Size
  - 7.5.5.1.2 Spanish Synthetic Graphite Market Overview by Sub-Type
  - 7.5.5.2 Spanish Graphite Market Overview by Application
- 7.5.6 The United Kingdom
  - 7.5.6.1 United Kingdom Graphite Market Overview by Type
    - 7.5.6.1.1 United Kingdom Natural Graphite Market Overview by Sub-Type
    - 7.5.6.1.1.1 United Kingdom Natural Flake Graphite Market Overview by Flake Size
  - 7.5.6.1.2 United Kingdom Synthetic Graphite Market Overview by Sub-Type
- 7.5.6.2 United Kingdom Graphite Market Overview by Application
- 7.5.7 Rest of Europe
  - 7.5.7.1 Rest of Europe Graphite Market Overview by Type
    - 7.5.7.1.1 Rest of Europe Natural Graphite Market Overview by Sub-Type
      - 7.5.7.1.1.1 Rest of Europe Natural Flake Graphite Market Overview by Flake Size
  - 7.5.7.1.2 Rest of Europe Synthetic Graphite Market Overview by Sub-Type
  - 7.5.7.2 Rest of Europe Graphite Market Overview by Application

#### 8. ASIA-PACIFIC

- 8.1 Asia-Pacific Graphite Market Overview by Geographic Region
- 8.2 Asia-Pacific Graphite Market Overview by Type
- 8.2.1 Asia-Pacific Natural Graphite Market Overview by Sub-Type
  - 8.2.1.1 Asia-Pacific Natural Flake Graphite Market Overview by Flake Size
- 8.2.2 Asia-Pacific Synthetic Graphite Market Overview by Sub-Type
- 8.3 Asia-Pacific Graphite Market Overview by Application
- 8.4 Major Market Players
  - Baoji Tianrui Nonferrous Metal Materials Co., Ltd. (China)



Battery Minerals Ltd (Australia)

Beijing Great Wall Co., Ltd (China)

BGWI Carbon Graphite (China)

Black Rock Mining Limited (Australia)

BTR New Material Group Co., Ltd. (China)

China Carbon Graphite Group, Inc. (China)

Chotanagpur Graphite Pvt., Ltd (India)

Ecograph Limited (Australia)

First Graphene Limited (Australia)

Graphite India Limited (India)

Hensen Graphite Co., Ltd. (China)

Hexagon Energy Materials Limited (Australia)

Hitachi Chemical Co., Ltd. (Japan)

Imagine Intelligent Materials Pty Ltd. (Australia)

Jiaozuo Zhongzhou Carbon Co., Ltd (China)

Jilin Songjiang Carbon Import & Export Co., Ltd. (China)

Jixi Puchen Graphite Co., Ltd. (China)

Lincoln Minerals Limited (Australia)

Magnis Energy Technologies Ltd (Australia)

New Energy Minerals Ltd (Australia)

Nippon Carbon Co., Ltd (Japan)

Nippon Graphite Industries, Co., Ltd. (Japan)

Qingdao Guangxing Electronic Materials Co., Ltd. (China)

Qingdao Tennry Carbon Co., Ltd (China)

Sinotek Materials Co., Ltd (China)

Syrah Resources Ltd (Australia)

Tirupati Carbons & Chemicals Private Limited (India)

Triton Minerals Limited (Australia)

Yichang Xincheng Graphite Co., Ltd (China)

8.5 Country-wise Analysis of Asia-Pacific Graphite Market

8.5.1 Australia

8.5.1.1 Australian Graphite Market Overview by Type

8.5.1.1.1 Australian Natural Graphite Market Overview by Sub-Type

8.5.1.1.1.1 Australian Natural Flake Graphite Market Overview by Flake Size

8.5.1.1.2 Australian Synthetic Graphite Market Overview by Sub-Type

8.5.1.2 Australian Graphite Market Overview by Application

8.5.2 China

8.5.2.1 Chinese Graphite Market Overview by Type

8.5.2.1.1 Chinese Natural Graphite Market Overview by Sub-Type



- 8.5.2.1.1.1 Chinese Natural Flake Graphite Market Overview by Flake Size
- 8.5.2.1.2 Chinese Synthetic Graphite Market Overview by Sub-Type
- 8.5.2.2 Chinese Graphite Market Overview by Application
- 8.5.3 India
  - 8.5.3.1 Indian Graphite Market Overview by Type
    - 8.5.3.1.1 Indian Natural Graphite Market Overview by Sub-Type
      - 8.5.3.1.1.1 Indian Natural Flake Graphite Market Overview by Flake Size
    - 8.5.3.1.2 Indian Synthetic Graphite Market Overview by Sub-Type
  - 8.5.3.2 Indian Graphite Market Overview by Application
- 8.5.4 Japan
  - 8.5.4.1 Japanese Graphite Market Overview by Type
    - 8.5.4.1.1 Japanese Natural Graphite Market Overview by Sub-Type
    - 8.5.4.1.1.1 Japanese Natural Flake Graphite Market Overview by Flake Size
  - 8.5.4.1.2 Japanese Synthetic Graphite Market Overview by Sub-Type
- 8.5.4.2 Japanese Graphite Market Overview by Application
- 8.5.5 South Korea
  - 8.5.5.1 South Korean Graphite Market Overview by Type
    - 8.5.5.1.1 South Korean Natural Graphite Market Overview by Sub-Type
      - 8.5.5.1.1.1 South Korean Natural Flake Graphite Market Overview by Flake Size
    - 8.5.5.1.2 South Korean Synthetic Graphite Market Overview by Sub-Type
- 8.5.5.2 South Korean Graphite Market Overview by Application
- 8.5.6 Rest of Asia-Pacific
  - 8.5.6.1 Rest of Asia-Pacific Graphite Market Overview by Type
    - 8.5.6.1.1 Rest of Asia-Pacific Natural Graphite Market Overview by Sub-Type
- 8.5.6.1.1.1 Rest of Asia-Pacific Natural Flake Graphite Market Overview by Flake Size
  - 8.5.6.1.2 Rest of Asia-Pacific Synthetic Graphite Market Overview by Sub-Type
  - 8.5.6.2 Rest of Asia-Pacific Graphite Market Overview by Application

## 9. SOUTH AMERICA

- 9.1 South American Graphite Market Overview by Geographic Region
- 9.2 South American Graphite Market Overview by Type
- 9.2.1 South American Natural Graphite Market Overview by Sub-Type
  - 9.2.1.1 South American Natural Flake Graphite Market Overview by Flake Size
- 9.2.2 South American Synthetic Graphite Market Overview by Sub-Type
- 9.3 South American Graphite Market Overview by Application
- 9.4 Country-wise Analysis of South American Graphite Market
  - 9.4.1 Argentina



- 9.4.1.1 Argentine Graphite Market Overview by Type
  - 9.4.1.1.1 Argentine Natural Graphite Market Overview by Sub-Type
  - 9.4.1.1.1 Argentine Natural Flake Graphite Market Overview by Flake Size
  - 9.4.1.1.2 Argentine Synthetic Graphite Market Overview by Sub-Type
- 9.4.1.2 Argentine Graphite Market Overview by Application
- 9.4.2 Brazil
  - 9.4.2.1 Brazilian Graphite Market Overview by Type
    - 9.4.2.1.1 Brazilian Natural Graphite Market Overview by Sub-Type
    - 9.4.2.1.1.1 Brazilian Natural Flake Graphite Market Overview by Flake Size
    - 9.4.2.1.2 Brazilian Synthetic Graphite Market Overview by Sub-Type
  - 9.4.2.2 Brazilian Graphite Market Overview by Application
- 9.4.3 Rest of South America
  - 9.4.3.1 Rest of South American Graphite Market Overview by Type
  - 9.4.3.1.1 Rest of South American Natural Graphite Market Overview by Sub-Type
- 9.4.3.1.1.1 Rest of South American Natural Flake Graphite Market Overview by Flake Size
  - 9.4.3.1.2 Rest of South American Synthetic Graphite Market Overview by Sub-Type
  - 9.4.3.2 Rest of South American Graphite Market Overview by Application

## 10. REST OF WORLD

- 10.1 Rest of World Graphite Market Overview by Type
  - 10.1.1 Rest of World Natural Graphite Market Overview by Sub-Type
    - 10.1.1.1 Rest of World Natural Flake Graphite Market Overview by Flake Size
- 10.1.2 Rest of World Synthetic Graphite Market Overview by Sub-Type
- 10.2 Rest of World Graphite Market Overview by Application
- 10.3 GES Middle East FZE (United Arab Emirates) A Major Market Player

## PART C: GUIDE TO THE INDUSTRY

- 1. NORTH AMERICA
- 2. EUROPE
- 3. ASIA-PACIFIC
- 4. REST OF WORLD

**PART D: ANNEXURE** 



#### 1. RESEARCH METHODOLOGY

## 2. FEEDBACK

#### **CHARTS & GRAPHS**

#### PART A: GLOBAL MARKET PERSPECTIVE

Chart 1: Global Graphite Market Analysis (2019 & 2026) by Geographic Region

Chart 2: Global Graphite Market Analysis (2019 & 2026) by Type

Chart 3: Global Natural Graphite Market Analysis (2019 & 2026) by Sub-Type

Chart 4: Global Natural Flake Graphite Market Analysis (2019 and 2026) by Flake Size

Chart 5: Global Synthetic Graphite Market Analysis (2019 & 2026) by Sub-Type

Chart 6: Global Graphite Market Analysis (2019 & 2026) by Application

Chart 7: Global Graphite Market Analysis (2017-2026) in Volume and Value

Chart 8: Global Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in '000 Tons

Chart 9: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 10: Global Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 11: Glance at 2017, 2019 and 2026 Global Graphite Value Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 12: Global Natural Graphite Market Analysis (2017-2026) by Region – North

America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 13: Glance at 2017, 2019 and 2026 Global Natural Graphite Volume Market

Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 14: Global Natural Graphite Market Analysis (2017-2026) by Region - North

America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 15: Glance at 2017, 2019 and 2026 Global Natural Graphite Value Market Share

(%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 16: Global Natural Graphite Market Analysis (2017-2026) by Sub-Type –

Amorphous Graphite and Flake Graphite in '000 Tons

Chart 17: Glance at 2017, 2019 and 2026 Global Natural Graphite Volume Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 18: Global Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million



Chart 19: Glance at 2017, 2019 and 2026 Global Natural Graphite Value Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 20: Global Amorphous Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 21: Glance at 2017, 2019 and 2026 Global Amorphous Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 22: Global Amorphous Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 23: Glance at 2017, 2019 and 2026 Global Amorphous Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 24: Global Flake Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 25: Glance at 2017, 2019 and 2026 Global Flake Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World Chart 26: Global Flake Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 27: Glance at 2017, 2019 and 2026 Global Flake Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World Chart 28: Global Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 30: Global Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 31: Glance at 2017, 2019 and 2026 Global Natural Flake Graphite Value Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 32: Global Jumbo Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 33: Glance at 2017, 2019 and 2026 Global Jumbo Flake Natural Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 34: Global Jumbo Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 35: Glance at 2017, 2019 and 2026 Global Jumbo Flake Natural Graphite Value



Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 36: Global Large Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 37: Glance at 2017, 2019 and 2026 Global Large Flake Natural Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 38: Global Large Flake Graphite Natural Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 39: Glance at 2017, 2019 and 2026 Global Large Flake Natural Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 40: Global Medium Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 41: Glance at 2017, 2019 and 2026 Global Medium Flake Natural Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 42: Global Medium Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 43: Glance at 2017, 2019 and 2026 Global Medium Flake Natural Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 44: Global Small Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 45: Glance at 2017, 2019 and 2026 Global Small Flake Natural Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 46: Global Small Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 47: Glance at 2017, 2019 and 2026 Global Small Flake Natural Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 48: Global Fine Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 49: Glance at 2017, 2019 and 2026 Global Fine Flake Natural Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World



Chart 50: Global Fine Flake Natural Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 51: Glance at 2017, 2019 and 2026 Global Fine Flake Natural Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 52: Global Synthetic Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 53: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 54: Global Synthetic Graphite Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 55: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 56: Global Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types '000 Tons

Chart 57: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Others

Chart 58: Global Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Others in USD Million

Chart 59: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Value Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 60: Global Synthetic Graphite Carbon Fibers Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 61: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Carbon Fibers Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 62: Global Synthetic Graphite Carbon Fibers Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 63: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Carbon Fibers Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World



Chart 64: Global Synthetic Graphite Blocks Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 65: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Blocks Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 66: Global Synthetic Graphite Blocks Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 67: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Blocks Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 68: Global Synthetic Graphite Electrodes Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 69: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Electrodes Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 70: Global Synthetic Graphite Electrodes Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 71: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Electrodes Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 72: Global Synthetic Graphite Powder Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 73: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Powder Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 74: Global Synthetic Graphite Powder Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 75: Glance at 2017, 2019 and 2026 Global Synthetic Graphite Powder Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 76: Global Other Synthetic Graphite Sub-Types Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 77: Glance at 2017, 2019 and 2026 Global Other Synthetic Graphite Sub-Types Volume Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 78: Global Other Synthetic Graphite Sub-Types Market Analysis (2017-2026) by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million



Chart 79: Glance at 2017, 2019 and 2026 Global Other Synthetic Graphite Sub-Types Value Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 80: Global Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications '000 Tons

Chart 81: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 82: Global Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 83: Glance at 2017, 2019 and 2026 Global Graphite Value Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 84: Global Graphite Market Analysis (2017-2026) in Electrical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 85: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) in Electrical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 86: Global Graphite Market Analysis (2017-2026) in Electrical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 87: Glance at 2017, 2019 and 2026 Global Graphite Value Market Share (%) in Electrical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 88: Global Graphite Market Analysis (2017-2026) in Metallurgical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 89: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) in Metallurgical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 90: Global Graphite Market Analysis (2017-2026) in Metallurgical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 91: Glance at 2017, 2019 and 2026 Global Graphite Value Market Share (%) in Metallurgical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World



Chart 92: Global Graphite Market Analysis (2017-2026) in Technical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons

Chart 93: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) in Technical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 94: Global Graphite Market Analysis (2017-2026) in Technical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million

Chart 95: Glance at 2017, 2019 and 2026 Global Graphite Value Market Share (%) in Technical Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 96: Global Graphite Market Analysis (2017-2026) in Other Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World '000 Tons Chart 97: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) in Other Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 98: Global Graphite Market Analysis (2017-2026) in Other Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 99: Glance at 2017, 2019 and 2026 Global Graphite Value Market Share (%) in Other Applications by Region – North America, Europe, Asia-Pacific, South America and Rest of World

## PART B: REGIONAL MARKET PERSPECTIVE

Chart 100: Global Graphite Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in Thousand Tons Chart 101: Glance at 2017, 2019 and 2026 Global Graphite Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

Chart 102: Global Graphite Market Analysis (2017-2026) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World in USD Million Chart 103: Glance at 2017, 2019 and 2026 Global Graphite Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World

## **REGIONAL MARKET OVERVIEW**

## **NORTH AMERICA**



Chart 104: North American Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 105: North American Graphite Market Analysis (2017-2026) by Geographic

Region – United States, Canada and Mexico in Thousand Tons

Chart 106: Glance at 2017, 2019 and 2026 North American Graphite Volume Market

Share (%) by Geographic Region – United States, Canada and Mexico

Chart 107: North American Graphite Market Analysis (2017-2026) by Geographic

Region – United States, Canada and Mexico in USD Million

Chart 108: Glance at 2017, 2019 and 2026 North American Graphite Market Share (%)

by Geographic Region – United States, Canada and Mexico

Chart 109: North American Graphite Market Analysis (2017-2026) by Type – Natural

Graphite and Synthetic Graphite in Thousand Tons

Chart 110: Glance at 2017, 2019 and 2026 North American Graphite Volume Market

Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 111: North American Graphite Market Analysis (2017-2026) by Type – Natural

Graphite and Synthetic Graphite in USD Million

Chart 112: Glance at 2017, 2019 and 2026 North American Graphite Market Share (%)

by Type – Natural Graphite and Synthetic Graphite

Chart 113: North American Natural Graphite Market Analysis (2017-2026) by Sub-Type

- Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 114: Glance at 2017, 2019 and 2026 North American Natural Graphite Volume

Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 115: North American Natural Graphite Market Analysis (2017-2026) by Sub-Type

- Amorphous Graphite and Flake Graphite in USD Million

Chart 116: Glance at 2017, 2019 and 2026 North American Natural Graphite Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 117: North American Natural Flake Graphite Market Analysis (2017-2026) by

Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine

Flakes in Thousand Tons

Chart 118: Glance at 2017, 2019 and 2026 North American Natural Flake Graphite

Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium

Flakes, Small Flakes and Fine Flakes

Chart 119: North American Natural Flake Graphite Market Analysis (2017-2026) by

Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine

Flakes in USD Million

Chart 120: Glance at 2017, 2019 and 2026 North American Natural Flake Graphite

Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small

Flakes and Fine Flakes



Chart 121: North American Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 122: Glance at 2017, 2019 and 2026 North American Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 123: North American Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 124: Glance at 2017, 2019 and 2026 North American Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 125: North American Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 126: Glance at 2017, 2019 and 2026 North American Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 127: North American Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 128: Glance at 2017, 2019 and 2026 North American Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

## THE UNITED STATES

Chart 129: United States Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 130: United States Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 131: Glance at 2017, 2019 and 2026 United States Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 132: United States Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 133: Glance at 2017, 2019 and 2026 United States Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 134: United States Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons



Chart 135: Glance at 2017, 2019 and 2026 United States Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 136: United States Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 137: Glance at 2017, 2019 and 2026 United States Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 138: United States Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 139: Glance at 2017, 2019 and 2026 United States Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 140: United States Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 141: Glance at 2017, 2019 and 2026 United States Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 142: United States Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 143: Glance at 2017, 2019 and 2026 United States Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 144: United States Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 145: Glance at 2017, 2019 and 2026 United States Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 146: United States Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 147: Glance at 2017, 2019 and 2026 United States Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 148: United States Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million



Chart 149: Glance at 2017, 2019 and 2026 United States Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **CANADA**

Chart 150: Canadian Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 151: Canadian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 152: Glance at 2017, 2019 and 2026 Canadian Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 153: Canadian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 154: Glance at 2017, 2019 and 2026 Canadian Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 155: Canadian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 156: Glance at 2017, 2019 and 2026 Canadian Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 157: Canadian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 158: Glance at 2017, 2019 and 2026 Canadian Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 159: Canadian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 160: Glance at 2017, 2019 and 2026 Canadian Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 161: Canadian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 162: Glance at 2017, 2019 and 2026 Canadian Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 163: Canadian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons



Chart 164: Glance at 2017, 2019 and 2026 Canadian Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 165: Canadian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 166: Glance at 2017, 2019 and 2026 Canadian Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 167: Canadian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 168: Glance at 2017, 2019 and 2026 Canadian Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 169: Canadian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 170: Glance at 2017, 2019 and 2026 Canadian Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **MEXICO**

Chart 171: Mexican Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 172: Mexican Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 173: Glance at 2017, 2019 and 2026 Mexican Graphite Market Volume Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 174: Mexican Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 175: Glance at 2017, 2019 and 2026 Mexican Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 176: Mexican Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 177: Glance at 2017, 2019 and 2026 Mexican Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 178: Mexican Natural Graphite Market Analysis (2017-2026) by Sub-Type -



Amorphous Graphite and Flake Graphite in USD Million

Chart 179: Glance at 2017, 2019 and 2026 Mexican Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 180: Mexican Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 181: Glance at 2017, 2019 and 2026 Mexican Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 182: Mexican Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 183: Glance at 2017, 2019 and 2026 Mexican Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 184: Mexican Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 185: Glance at 2017, 2019 and 2026 Mexican Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 186: Mexican Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 187: Glance at 2017, 2019 and 2026 Mexican Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 188: Mexican Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 189: Glance at 2017, 2019 and 2026 Mexican Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 190: Mexican Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 191: Glance at 2017, 2019 and 2026 Mexican Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications



#### **EUROPE**

Chart 192: European Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 193: European Graphite Market Analysis (2017-2026) by Geographic Region – France, Germany, Italy, Russia, Spain, United Kingdom and Rest of Europe in Thousand Tons

Chart 194: Glance at 2017, 2019 and 2026 European Graphite Volume Market Share (%) by Geographic Region – France, Germany, Italy, Russia, Spain, United Kingdom and Rest of Europe

Chart 195: European Graphite Market Analysis (2017-2026) by Geographic Region – France, Germany, Italy, Russia, Spain, United Kingdom and Rest of Europe in USD Million

Chart 196: Glance at 2017, 2019 and 2026 European Graphite Market Share (%) by Geographic Region – France, Germany, Italy, Russia, Spain, United Kingdom and Rest of Europe

Chart 197: European Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 198: Glance at 2017, 2019 and 2026 European Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 199: European Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 200: Glance at 2017, 2019 and 2026 European Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 201: European Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 202: Glance at 2017, 2019 and 2026 European Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 203: European Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 204: Glance at 2017, 2019 and 2026 European Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 205: European Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 206: Glance at 2017, 2019 and 2026 European Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes



Chart 207: European Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 208: Glance at 2017, 2019 and 2026 European Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 209: European Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 210: Glance at 2017, 2019 and 2026 European Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 211: European Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 212: Glance at 2017, 2019 and 2026 European Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 213: European Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 214: Glance at 2017, 2019 and 2026 European Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 215: European Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 216: Glance at 2017, 2019 and 2026 European Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

## **FRANCE**

Chart 217: French Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 218: French Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 219: Glance at 2017, 2019 and 2026 French Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite



Chart 220: French Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 221: Glance at 2017, 2019 and 2026 French Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 222: French Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 223: Glance at 2017, 2019 and 2026 French Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 224: French Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 225: Glance at 2017, 2019 and 2026 French Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 226: French Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 227: Glance at 2017, 2019 and 2026 French Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 228: French Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 229: Glance at 2017, 2019 and 2026 French Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 230: French Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 231: Glance at 2017, 2019 and 2026 French Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 232: French Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 233: Glance at 2017, 2019 and 2026 French Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 234: French Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons



Chart 235: Glance at 2017, 2019 and 2026 French Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 236: French Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 237: Glance at 2017, 2019 and 2026 French Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

## **GERMANY**

Chart 238: German Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 239: German Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 240: Glance at 2017, 2019 and 2026 German Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 241: German Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 242: Glance at 2017, 2019 and 2026 German Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 243: German Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 244: Glance at 2017, 2019 and 2026 German Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 245: German Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 246: Glance at 2017, 2019 and 2026 German Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 247: German Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 248: Glance at 2017, 2019 and 2026 German Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 249: German Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million



Chart 250: Glance at 2017, 2019 and 2026 German Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 251: German Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 252: Glance at 2017, 2019 and 2026 German Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 253: German Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 254: Glance at 2017, 2019 and 2026 German Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 255: German Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 256: Glance at 2017, 2019 and 2026 German Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 257: German Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 258: Glance at 2017, 2019 and 2026 German Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

## **ITALY**

Chart 259: Italian Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 260: Italian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 261: Glance at 2017, 2019 and 2026 Italian Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 262: Italian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 263: Glance at 2017, 2019 and 2026 Italian Graphite Market Share (%) by Type -



Natural Graphite and Synthetic Graphite

Chart 264: Italian Natural Graphite Market Analysis (2017-2026) by Sub-Type –

Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 265: Glance at 2017, 2019 and 2026 Italian Natural Graphite Volume Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 266: Italian Natural Graphite Market Analysis (2017-2026) by Sub-Type –

Amorphous Graphite and Flake Graphite in USD Million

Chart 267: Glance at 2017, 2019 and 2026 Italian Natural Graphite Market Share (%) by

Sub-Type – Amorphous Graphite and Flake Graphite

Chart 268: Italian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size –

Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in

**Thousand Tons** 

Chart 269: Glance at 2017, 2019 and 2026 Italian Natural Flake Graphite Volume

Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small

Flakes and Fine Flakes

Chart 270: Italian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size –

Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD

Million

Chart 271: Glance at 2017, 2019 and 2026 Italian Natural Flake Graphite Market Share

(%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and

Fine Flakes

Chart 272: Italian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type –

Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-

Types in Thousand Tons

Chart 273: Glance at 2017, 2019 and 2026 Italian Synthetic Graphite Volume Market

Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes,

Graphite Powder and Other Sub-Types

Chart 274: Italian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type –

Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-

Types in USD Million

Chart 275: Glance at 2017, 2019 and 2026 Italian Synthetic Graphite Market Share (%)

by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder

and Other Sub-Types

Chart 276: Italian Graphite Market Analysis (2017-2026) by Application – Electrical

Applications, Metallurgical Applications, Technical Applications and Other Applications

in Thousand Tons

Chart 277: Glance at 2017, 2019 and 2026 Italian Graphite Volume Market Share (%)

by Application – Electrical Applications, Metallurgical Applications, Technical

Applications and Other Applications



Chart 278: Italian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 279: Glance at 2017, 2019 and 2026 Italian Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **RUSSIA**

Chart 280: Russian Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 281: Russian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 282: Glance at 2017, 2019 and 2026 Russian Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 283: Russian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 284: Glance at 2017, 2019 and 2026 Russian Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 285: Russian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 286: Glance at 2017, 2019 and 2026 Russian Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 287: Russian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 288: Glance at 2017, 2019 and 2026 Russian Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 289: Russian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 290: Glance at 2017, 2019 and 2026 Russian Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 291: Russian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 292: Glance at 2017, 2019 and 2026 Russian Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes



Chart 293: Russian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 294: Glance at 2017, 2019 and 2026 Russian Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 295: Russian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 296: Glance at 2017, 2019 and 2026 Russian Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 297: Russian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 298: Glance at 2017, 2019 and 2026 Russian Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 299: Russian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 300: Glance at 2017, 2019 and 2026 Russian Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **SPAIN**

Chart 301: Spanish Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 302: Spanish Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 303: Glance at 2017, 2019 and 2026 Spanish Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 304: Spanish Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 305: Glance at 2017, 2019 and 2026 Spanish Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 306: Spanish Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons



Chart 307: Glance at 2017, 2019 and 2026 Spanish Natural Graphite Volume Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 308: Spanish Natural Graphite Market Analysis (2017-2026) by Sub-Type -

Amorphous Graphite and Flake Graphite in USD Million

Chart 309: Glance at 2017, 2019 and 2026 Spanish Natural Graphite Market Share (%)

by Sub-Type - Amorphous Graphite and Flake Graphite

Chart 310: Spanish Natural Flake Graphite Market Analysis (2017-2026) by Flake Size

- Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in

**Thousand Tons** 

Chart 311: Glance at 2017, 2019 and 2026 Spanish Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small

Flakes and Fine Flakes

Chart 312: Spanish Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 313: Glance at 2017, 2019 and 2026 Spanish Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 314: Spanish Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 315: Glance at 2017, 2019 and 2026 Spanish Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 316: Spanish Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 317: Glance at 2017, 2019 and 2026 Spanish Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 318: Spanish Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 319: Glance at 2017, 2019 and 2026 Spanish Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 320: Spanish Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million



Chart 321: Glance at 2017, 2019 and 2026 Spanish Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### THE UNITED KINGDOM

Chart 322: United Kingdom Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 323: United Kingdom Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 324: Glance at 2017, 2019 and 2026 United Kingdom Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 325: United Kingdom Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 326: Glance at 2017, 2019 and 2026 United Kingdom Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 327: United Kingdom Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 328: Glance at 2017, 2019 and 2026 United Kingdom Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 329: United Kingdom Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 330: Glance at 2017, 2019 and 2026 United Kingdom Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 331: United Kingdom Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 332: Glance at 2017, 2019 and 2026 United Kingdom Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 333: United Kingdom Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 334: Glance at 2017, 2019 and 2026 United Kingdom Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 335: United Kingdom Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons



Chart 336: Glance at 2017, 2019 and 2026 United Kingdom Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 337: United Kingdom Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 338: Glance at 2017, 2019 and 2026 United Kingdom Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 339: United Kingdom Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 340: Glance at 2017, 2019 and 2026 United Kingdom Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 341: United Kingdom Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 342: Glance at 2017, 2019 and 2026 United Kingdom Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **REST OF EUROPE**

Chart 343: Rest of Europe Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 344: Rest of Europe Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 345: Glance at 2017, 2019 and 2026 Rest of Europe Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 346: Rest of Europe Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 347: Glance at 2017, 2019 and 2026 Rest of Europe Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 348: Rest of Europe Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 349: Glance at 2017, 2019 and 2026 Rest of Europe Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite Chart 350: Rest of Europe Natural Graphite Market Analysis (2017-2026) by Sub-Type



- Amorphous Graphite and Flake Graphite in USD Million

Chart 351: Glance at 2017, 2019 and 2026 Rest of Europe Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 352: Rest of Europe Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 353: Glance at 2017, 2019 and 2026 Rest of Europe Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 354: Rest of Europe Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 355: Glance at 2017, 2019 and 2026 Rest of Europe Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 356: Rest of Europe Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 357: Glance at 2017, 2019 and 2026 Rest of Europe Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 358: Rest of Europe Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 359: Glance at 2017, 2019 and 2026 Rest of Europe Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 360: Rest of Europe Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 361: Glance at 2017, 2019 and 2026 Rest of Europe Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 362: Rest of Europe Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 363: Glance at 2017, 2019 and 2026 Rest of Europe Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications



## **ASIA-PACIFIC**

Chart 364: Asia-Pacific Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 365: Asia-Pacific Graphite Market Analysis (2017-2026) by Geographic Region – Australia, China, India, Japan, South Korea and Rest of Asia-Pacific in Thousand Tons Chart 366: Glance at 2017, 2019 and 2026 Asia-Pacific Graphite Volume Market Share (%) by Geographic Region – Australia, China, India, Japan, South Korea and Rest of Asia-Pacific

Chart 367: Asia-Pacific Graphite Market Analysis (2017-2026) by Geographic Region – Australia, China, India, Japan, South Korea and Rest of Asia-Pacific in USD Million Chart 368: Glance at 2017, 2019 and 2026 Asia-Pacific Graphite Market Share (%) by Geographic Region – Australia, China, India, Japan, South Korea and Rest of Asia-Pacific

Chart 369: Asia-Pacific Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 370: Glance at 2017, 2019 and 2026 Asia-Pacific Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 371: Asia-Pacific Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 372: Glance at 2017, 2019 and 2026 Asia-Pacific Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 373: Asia-Pacific Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 374: Glance at 2017, 2019 and 2026 Asia-Pacific Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 375: Asia-Pacific Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 376: Glance at 2017, 2019 and 2026 Asia-Pacific Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 377: Asia-Pacific Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 378: Glance at 2017, 2019 and 2026 Asia-Pacific Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 379: Asia-Pacific Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in



#### **USD Million**

Chart 380: Glance at 2017, 2019 and 2026 Asia-Pacific Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 381: Asia-Pacific Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 382: Glance at 2017, 2019 and 2026 Asia-Pacific Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 383: Asia-Pacific Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 384: Glance at 2017, 2019 and 2026 Asia-Pacific Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 385: Asia-Pacific Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 386: Glance at 2017, 2019 and 2026 Asia-Pacific Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 387: Asia-Pacific Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 388: Glance at 2017, 2019 and 2026 Asia-Pacific Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **AUSTRALIA**

Chart 389: Australian Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 390: Australian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 391: Glance at 2017, 2019 and 2026 Australian Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 392: Australian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million



Chart 393: Glance at 2017, 2019 and 2026 Australian Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 394: Australian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 395: Glance at 2017, 2019 and 2026 Australian Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 396: Australian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 397: Glance at 2017, 2019 and 2026 Australian Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 398: Australian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 399: Glance at 2017, 2019 and 2026 Australian Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 400: Australian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 401: Glance at 2017, 2019 and 2026 Australian Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 402: Australian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 403: Glance at 2017, 2019 and 2026 Australian Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 404: Australian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 405: Glance at 2017, 2019 and 2026 Australian Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 406: Australian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 407: Glance at 2017, 2019 and 2026 Australian Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical



Applications and Other Applications

Chart 408: Australian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 409: Glance at 2017, 2019 and 2026 Australian Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **CHINA**

Chart 410: Chinese Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 411: Chinese Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 412: Glance at 2017, 2019 and 2026 Chinese Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 413: Chinese Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 414: Glance at 2017, 2019 and 2026 Chinese Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 415: Chinese Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 416: Glance at 2017, 2019 and 2026 Chinese Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 417: Chinese Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 418: Glance at 2017, 2019 and 2026 Chinese Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 419: Chinese Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 420: Glance at 2017, 2019 and 2026 Chinese Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 421: Chinese Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 422: Glance at 2017, 2019 and 2026 Chinese Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes



and Fine Flakes

Chart 423: Chinese Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 424: Glance at 2017, 2019 and 2026 Chinese Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 425: Chinese Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 426: Glance at 2017, 2019 and 2026 Chinese Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 427: Chinese Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 428: Glance at 2017, 2019 and 2026 Chinese Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 429: Chinese Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 430: Glance at 2017, 2019 and 2026 Chinese Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **INDIA**

Chart 431: Indian Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 432: Indian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 433: Glance at 2017, 2019 and 2026 Indian Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 434: Indian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 435: Glance at 2017, 2019 and 2026 Indian Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 436: Indian Natural Graphite Market Analysis (2017-2026) by Sub-Type -



Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 437: Glance at 2017, 2019 and 2026 Indian Natural Graphite Volume Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 438: Indian Natural Graphite Market Analysis (2017-2026) by Sub-Type –

Amorphous Graphite and Flake Graphite in USD Million

Chart 439: Glance at 2017, 2019 and 2026 Indian Natural Graphite Market Share (%)

by Sub-Type - Amorphous Graphite and Flake Graphite

Chart 440: Indian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size -

Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in

**Thousand Tons** 

Chart 441: Glance at 2017, 2019 and 2026 Indian Natural Flake Graphite Volume

Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small

Flakes and Fine Flakes

Chart 442: Indian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size –

Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD

Million

Chart 443: Glance at 2017, 2019 and 2026 Indian Natural Flake Graphite Market Share

(%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and

Fine Flakes

Chart 444: Indian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type –

Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-

Types in Thousand Tons

Chart 445: Glance at 2017, 2019 and 2026 Indian Synthetic Graphite Volume Market

Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes,

Graphite Powder and Other Sub-Types

Chart 446: Indian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type –

Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-

Types in USD Million

Chart 447: Glance at 2017, 2019 and 2026 Indian Synthetic Graphite Market Share (%)

by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder

and Other Sub-Types

Chart 448: Indian Graphite Market Analysis (2017-2026) by Application – Electrical

Applications, Metallurgical Applications, Technical Applications and Other Applications

in Thousand Tons

Chart 449: Glance at 2017, 2019 and 2026 Indian Graphite Volume Market Share (%)

by Application – Electrical Applications, Metallurgical Applications, Technical

Applications and Other Applications

Chart 450: Indian Graphite Market Analysis (2017-2026) by Application – Electrical

Applications, Metallurgical Applications, Technical Applications and Other Applications



in USD Million

Chart 451: Glance at 2017, 2019 and 2026 Indian Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **JAPAN**

Chart 452: Japanese Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 453: Japanese Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 454: Glance at 2017, 2019 and 2026 Japanese Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 455: Japanese Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 456: Glance at 2017, 2019 and 2026 Japanese Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 457: Japanese Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 458: Glance at 2017, 2019 and 2026 Japanese Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 459: Japanese Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 460: Glance at 2017, 2019 and 2026 Japanese Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 461: Japanese Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 462: Glance at 2017, 2019 and 2026 Japanese Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 463: Japanese Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 464: Glance at 2017, 2019 and 2026 Japanese Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 465: Japanese Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-



Types in Thousand Tons

Chart 466: Glance at 2017, 2019 and 2026 Japanese Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 467: Japanese Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 468: Glance at 2017, 2019 and 2026 Japanese Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 469: Japanese Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 470: Glance at 2017, 2019 and 2026 Japanese Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 471: Japanese Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 472: Glance at 2017, 2019 and 2026 Japanese Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

## **SOUTH KOREA**

Chart 473: South Korean Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 474: South Korean Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 475: Glance at 2017, 2019 and 2026 South Korean Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 476: South Korean Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 477: Glance at 2017, 2019 and 2026 South Korean Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 478: South Korean Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 479: Glance at 2017, 2019 and 2026 South Korean Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite



Chart 480: South Korean Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 481: Glance at 2017, 2019 and 2026 South Korean Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 482: South Korean Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 483: Glance at 2017, 2019 and 2026 South Korean Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 484: South Korean Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 485: Glance at 2017, 2019 and 2026 South Korean Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 486: South Korean Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 487: Glance at 2017, 2019 and 2026 South Korean Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 488: South Korean Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 489: Glance at 2017, 2019 and 2026 South Korean Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 490: South Korean Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 491: Glance at 2017, 2019 and 2026 South Korean Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 492: South Korean Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 493: Glance at 2017, 2019 and 2026 South Korean Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications



# and Other Applications

#### **REST OF ASIA-PACIFIC**

Chart 494: Rest of Asia-Pacific Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 495: Rest of Asia-Pacific Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 496: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 497: Rest of Asia-Pacific Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 498: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 499: Rest of Asia-Pacific Natural Graphite Market Analysis (2017-2026) by Sub-

Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 500: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Natural Graphite

Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 501: Rest of Asia-Pacific Natural Graphite Market Analysis (2017-2026) by Sub-

Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 502: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 503: Rest of Asia-Pacific Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 504: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 505: Rest of Asia-Pacific Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 506: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 507: Rest of Asia-Pacific Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 508: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite



Electrodes, Graphite Powder and Other Sub-Types

Chart 509: Rest of Asia-Pacific Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 510: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 511: Rest of Asia-Pacific Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 512: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 513: Rest of Asia-Pacific Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 514: Glance at 2017, 2019 and 2026 Rest of Asia-Pacific Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **SOUTH AMERICA**

Chart 515: South American Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 516: South American Graphite Market Analysis (2017-2026) by Geographic

Region – Argentina, Brazil and Rest of South America in Thousand Tons

Chart 517: Glance at 2017, 2019 and 2026 South American Graphite Volume Market

Share (%) by Geographic Region - Argentina, Brazil and Rest of South America

Chart 518: South American Graphite Market Analysis (2017-2026) by Geographic

Region - Argentina, Brazil and Rest of South America in USD Million

Chart 519: Glance at 2017, 2019 and 2026 South American Graphite Market Share (%)

by Geographic Region – Argentina, Brazil and Rest of South America

Chart 520: South American Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 521: Glance at 2017, 2019 and 2026 South American Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 522: South American Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 523: Glance at 2017, 2019 and 2026 South American Graphite Market Share (%)



by Type - Natural Graphite and Synthetic Graphite

Chart 524: South American Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 525: Glance at 2017, 2019 and 2026 South American Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 526: South American Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 527: Glance at 2017, 2019 and 2026 South American Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 528: South American Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 529: Glance at 2017, 2019 and 2026 South American Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 530: South American Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 531: Glance at 2017, 2019 and 2026 South American Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 532: South American Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 533: Glance at 2017, 2019 and 2026 South American Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 534: South American Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 535: Glance at 2017, 2019 and 2026 South American Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 536: South American Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 537: Glance at 2017, 2019 and 2026 South American Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications



Chart 538: South American Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 539: Glance at 2017, 2019 and 2026 South American Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

### **ARGENTINA**

Chart 540: Argentine Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 541: Argentine Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 542: Glance at 2017, 2019 and 2026 Argentine Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 543: Argentine Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 544: Glance at 2017, 2019 and 2026 Argentine Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 545: Argentine Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 546: Glance at 2017, 2019 and 2026 Argentine Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 547: Argentine Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 548: Glance at 2017, 2019 and 2026 Argentine Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 549: Argentine Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 550: Glance at 2017, 2019 and 2026 Argentine Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 551: Argentine Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 552: Glance at 2017, 2019 and 2026 Argentine Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes



Chart 553: Argentine Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 554: Glance at 2017, 2019 and 2026 Argentine Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 555: Argentine Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 556: Glance at 2017, 2019 and 2026 Argentine Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 557: Argentine Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 558: Glance at 2017, 2019 and 2026 Argentine Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 559: Argentine Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 560: Glance at 2017, 2019 and 2026 Argentine Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **BRAZIL**

Chart 561: Brazilian Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 562: Brazilian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 563: Glance at 2017, 2019 and 2026 Brazilian Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 564: Brazilian Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 565: Glance at 2017, 2019 and 2026 Brazilian Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 566: Brazilian Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons



Chart 567: Glance at 2017, 2019 and 2026 Brazilian Natural Graphite Volume Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 568: Brazilian Natural Graphite Market Analysis (2017-2026) by Sub-Type -

Amorphous Graphite and Flake Graphite in USD Million

Chart 569: Glance at 2017, 2019 and 2026 Brazilian Natural Graphite Market Share (%)

by Sub-Type - Amorphous Graphite and Flake Graphite

Chart 570: Brazilian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size

- Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in

**Thousand Tons** 

Chart 571: Glance at 2017, 2019 and 2026 Brazilian Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small

Flakes and Fine Flakes

Chart 572: Brazilian Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 573: Glance at 2017, 2019 and 2026 Brazilian Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 574: Brazilian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 575: Glance at 2017, 2019 and 2026 Brazilian Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 576: Brazilian Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 577: Glance at 2017, 2019 and 2026 Brazilian Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 578: Brazilian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 579: Glance at 2017, 2019 and 2026 Brazilian Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 580: Brazilian Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million



Chart 581: Glance at 2017, 2019 and 2026 Brazilian Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **REST OF SOUTH AMERICA**

Chart 582: Rest of South American Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 583: Rest of South American Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 584: Glance at 2017, 2019 and 2026 Rest of South American Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 585: Rest of South American Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 586: Glance at 2017, 2019 and 2026 Rest of South American Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 587: Rest of South American Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 588: Glance at 2017, 2019 and 2026 Rest of South American Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 589: Rest of South American Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in USD Million

Chart 590: Glance at 2017, 2019 and 2026 Rest of South American Natural Graphite Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 591: Rest of South American Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 592: Glance at 2017, 2019 and 2026 Rest of South American Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 593: Rest of South American Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 594: Glance at 2017, 2019 and 2026 Rest of South American Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 595: Rest of South American Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons



Chart 596: Glance at 2017, 2019 and 2026 Rest of South American Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 597: Rest of South American Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 598: Glance at 2017, 2019 and 2026 Rest of South American Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 599: Rest of South American Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 600: Glance at 2017, 2019 and 2026 Rest of South American Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 601: Rest of South American Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 602: Glance at 2017, 2019 and 2026 Rest of South American Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

#### **REST OF WORLD**

Chart 603: Rest of World Graphite Market Analysis (2017-2026) in Thousand Tons and USD Million

Chart 604: Rest of World Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in Thousand Tons

Chart 605: Glance at 2017, 2019 and 2026 Rest of World Graphite Volume Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 606: Rest of World Graphite Market Analysis (2017-2026) by Type – Natural Graphite and Synthetic Graphite in USD Million

Chart 607: Glance at 2017, 2019 and 2026 Rest of World Graphite Market Share (%) by Type – Natural Graphite and Synthetic Graphite

Chart 608: Rest of World Natural Graphite Market Analysis (2017-2026) by Sub-Type – Amorphous Graphite and Flake Graphite in Thousand Tons

Chart 609: Glance at 2017, 2019 and 2026 Rest of World Natural Graphite Volume Market Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 610: Rest of World Natural Graphite Market Analysis (2017-2026) by Sub-Type -



Amorphous Graphite and Flake Graphite in USD Million

Chart 611: Glance at 2017, 2019 and 2026 Rest of World Natural Graphite Market

Share (%) by Sub-Type – Amorphous Graphite and Flake Graphite

Chart 612: Rest of World Natural Flake Graphite Market Analysis (2017-2026) by Flake

Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in Thousand Tons

Chart 613: Glance at 2017, 2019 and 2026 Rest of World Natural Flake Graphite Volume Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 614: Rest of World Natural Flake Graphite Market Analysis (2017-2026) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes in USD Million

Chart 615: Glance at 2017, 2019 and 2026 Rest of World Natural Flake Graphite Market Share (%) by Flake Size – Jumbo Flakes, Large Flakes, Medium Flakes, Small Flakes and Fine Flakes

Chart 616: Rest of World Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in Thousand Tons

Chart 617: Glance at 2017, 2019 and 2026 Rest of World Synthetic Graphite Volume Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 618: Rest of World Synthetic Graphite Market Analysis (2017-2026) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types in USD Million

Chart 619: Glance at 2017, 2019 and 2026 Rest of World Synthetic Graphite Market Share (%) by Sub-Type – Carbon Fibers, Graphite Blocks, Graphite Electrodes, Graphite Powder and Other Sub-Types

Chart 620: Rest of World Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in Thousand Tons

Chart 621: Glance at 2017, 2019 and 2026 Rest of World Graphite Volume Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications

Chart 622: Rest of World Graphite Market Analysis (2017-2026) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications in USD Million

Chart 623: Glance at 2017, 2019 and 2026 Rest of World Graphite Market Share (%) by Application – Electrical Applications, Metallurgical Applications, Technical Applications and Other Applications







# **Tables**

#### **TABLES**

- Table 1: Physical Properties of Graphite
- Table 2: Density of Select Refractory Materials
- Table 3: Heat of Vaporization of Select Elements at Boiling Point
- Table 4: Theoretical Thermal Properties of Graphite
- Table 5: Specific Heat of Select Elements
- Table 6: Thermal Conductivity of Select Materials
- Table 7: General Chemical Resistance of Graphite
- Table 8: Classification of Natural Graphite and its Characteristics and Applications
- Table 9: Worldwide Graphite Mine Production from 2015 to 2019 by Country in
- **Thousand Metric Tons**
- Table 10: Classification and Applications of Flake Graphite by Size
- Table 11: Carbonaceous Refractory Types, Compositions and Baking Temperatures
- Table 12: Typical Carbon Material Properties
- Table 13: Typical Semigraphites Material Properties
- Table 14: Typical Semigraphitzed Carbon Material Properties
- Table 15: Typical Hot Pressed Semigraphites Material Properties
- Table 16: Typical Graphite Material Properties
- Table 17: Graphite Material Properties from Two Different Manufacturers
- Table 18: Effects of Grain Size on Graphite Properties
- Table 19: Typical Applications of Metal Graphite Brushes



# **Figures**

#### FIGURES:

Figure 1: Molecular Structures of Diamond and Graphite

Figure 2: Crystal Structure of Graphite Showing ABAB Stacking Sequence and Unit Cell

Figure 3: Schematic of Hexagonal Graphite Crystal with a View that is Perpendicular to

the Basal Plane

Figure 4: Schematic of Rhombohedral Graphite Crystal with a View that is

Perpendicular to the Basal Plane

Figure 5: The Faces of a Graphite Crystal

Figure 6: Schematic of Production of Calcined Coke

Figure 7: Powder Preparation Process for Synthetic Graphite

Figure 8: Cold Isostatic Pressing Process for Synthetic Graphite

Figure 9: Extrusion Process for Synthetic Graphite

Figure 10: Die Molding Process for Synthetic Graphite

Figure 11: Batch Type Acheson Graphitization Furnace

Figure 12: A Typical Lithium-Ion Battery System and its Discharge



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