

Advanced Carbon Materials Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Product Type [Graphite (Natural Graphite and Synthetic Graphite), Carbon Nanotubes (Multi-Walled Carbon Nanotubes and Single-Walled Carbon Nanotubes), Graphene, Carbon Fibers (PAN-Based and PITCH-Based), Carbon Foams and Others], Application [Electronics and Semiconductors (Integrated Circuits, Flexible Displays, Superconductors, Transistors, Industrial Sensors, and Others), Energy Storage (Lithium-Ion Batteries, Fuel Cells, Solar PV Cells, Hydrogen Storage, Electrochemical Supercapacitors, and Others), Structural Composites (Sporting Goods, Wind Turbine Blades, Light Vehicle or Automotive, Construction and Infrastructure, and Aerospace and Defense), Chemical Materials and Polymers (Coatings Adhesives and Sealants, Water Filtration, Catalysts, and Others), Medical (Transdermal Drug Delivery, Cancer Treatment, Proteomics, and Others), and Others], and Geography

<https://marketpublishers.com/r/AEE92E089466EN.html>

Date: October 2024

Pages: 401

Price: US\$ 5,190.00 (Single User License)

ID: AEE92E089466EN

Abstracts

The advanced carbon materials market size is projected to reach US\$ 48.20 billion by 2031 from US\$ 27.79 billion in 2023; the market is expected to register a CAGR of 7.1% during 2023–2031.

Advanced carbon materials include natural graphite, synthetic graphite, multi-walled carbon nanotubes, single-walled carbon nanotubes, graphene, PAN-based carbon fibers, PITCH-based carbon fibers, carbon foams, and fullerene. These advanced carbon materials are considered as backbone of engineering and scientific innovation owing to their versatile chemical, physical, and electrical properties. Graphite is one of the major advanced carbon materials used in various applications. Graphite can operate at extremely high temperatures, making it suitable for demanding applications such as sintering and debinding in furnaces. Its chemical inertness enhances its stability and resistance to corrosion, which is crucial in melting processes. Further, these advanced carbon materials are used in various applications, such as electronics and semiconductors, energy storage, structural composites, chemical materials and polymers, medical, and many other applications.

The major factors driving the growth of the advanced carbon materials market are the growing demand for lightweight materials and the increasing demand for advanced carbon materials for energy storage applications. Further, the adoption of carbon-based materials in cancer treatment can create lucrative growth opportunities for the advanced carbon materials market during the forecast period.

Based on product type, the advanced carbon materials market is bifurcated into graphite, graphene, carbon fibers, carbon foams, and others. The graphite segment held the largest share in the global advanced carbon materials market in 2023. Graphite (a naturally occurring form of crystalline carbon) has high electrical conductivity, excellent thermal conductivity, and high resistance to corrosion. These properties make it suitable for various high-tech industries. One of the most prominent applications of graphite is in the production of batteries. The high electrical conductivity of graphite allows it to efficiently transfer electrons between the anode and cathode, making it an essential component in both lithium-ion and lithium-ion polymer batteries. These batteries power a wide range of devices, from smartphones and laptops to electric vehicles and energy storage systems. Owing to heat resistance and lubricating properties, graphite is highly valued in refractories, lubricants, and foundry facings.

By application, the market is segmented into electronics and semiconductors, energy

storage, structural composites, chemical materials and polymers, and medical. The energy storage segment held the largest share in the advanced carbon materials market in 2023. The energy storage segment is mainly driven due to the growing demand for efficient, high-capacity storage solutions. Advanced carbon materials, such as carbon nanotubes (CNTs), graphene, and carbon fibers, are increasingly used in energy storage applications such as batteries, supercapacitors, and fuel cells. These materials offer exceptional electrical conductivity, larger surface area, and superior mechanical properties, making them ideal for enhancing the performance of energy storage devices. Their incorporation leads to faster charging, improved energy density, and longer battery life, which are critical for applications ranging from consumer electronics to electric vehicles and grid energy storage systems.

Asia Pacific held the largest share of the global advanced carbon materials market in 2023. The advanced carbon materials market is witnessing significant growth in Asia Pacific owing to the growing application industries. The increasing offshore wind installations in the region drive the demand for structural composites such as wind turbine blades. According to the US Department of Energy, China is among the largest markets globally to deploy offshore wind installations of over 182 gigawatts by 2028.

According to the Australian Trade and Investment Commission, the region has a high demand for infrastructure developments and construction projects for power transmission & infrastructure, renewable energy solutions, and the marine environment. Different countries in the region focus on different infrastructure projects. For instance, Australia focuses on climate-resilient infrastructure development projects. In addition, China is among the largest contributors to the region's construction and infrastructure developments with its Belt and Road Initiative finance program for ports, roads, and other developments. Such industries further drive the demand for advanced carbon materials in the region.

A few of the players operating in the global advanced carbon materials market are Nanocyl SA, Teijin Ltd, Arkema SA, LG Chem Ltd, Cabot Corp, Kumho Petrochemical Co Ltd, Tokyo Chemical Industry Co Ltd, Nanoshel LLC, Zeon Corp, Mitsubishi Chemical Carbon Fiber and Composites Inc, Resonac Holdings Corp, Huntsman International LLC, OCSiAl, and Sumitomo Chemical Co Ltd. Market players focus on offering high-quality products to fulfill customer demand. Players operating in the global market focus on providing high-quality products to fulfill customer demand. Also, they focus on adopting various strategies such as new product launches, capacity expansions, partnerships, and collaborations in order to stay competitive in the market. The advanced carbon materials market forecast can help stakeholders plan their growth

strategies. In 2024, LG Chem began constructing its fourth carbon nanotube (CNT) plant at its Daesan Complex, 80 kilometers southwest of Seoul. LG Chem's CNT 4 Plant is slated for operation in 2025 and is expected to contribute to doubling LG Chem's annual CNT production capability to 6,100 tons.

The overall global advanced carbon materials market size has been derived using both primary and secondary sources. To begin the research process, exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the market. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain more analytical insights into the topic. The participants of this process include industry experts such as VPs, business development managers, market intelligence managers, and national sales managers—along with external consultants such as valuation experts, research analysts, and key opinion leaders—specializing in the advanced carbon materials market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macro-economic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country level data:

4. GLOBAL ADVANCED CARBON MATERIALS MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Threat of New Entrants:
 - 4.2.2 Bargaining Power of Suppliers:
 - 4.2.3 Bargaining Power of Buyers:
 - 4.2.4 Competitive Rivalry:
 - 4.2.5 Threat of Substitutes:
- 4.3 Ecosystem Analysis
 - 4.3.1 Raw Material Suppliers:
 - 4.3.2 Manufacturers:
 - 4.3.3 Distributors or Suppliers:
 - 4.3.4 End-Use Industry:
 - 4.3.5 List of Vendors in the Value Chain

5. GLOBAL ADVANCED CARBON MATERIALS MARKET – KEY MARKET

DYNAMICS

5.1 Global Advanced Carbon Materials Market – Key Market Dynamics

5.2 Market Drivers

5.2.1 Growing Demand for Lightweight Materials

5.2.2 Increasing Demand for Advanced Carbon Materials for Energy Storage

Applications

5.3 Market Restraints

5.3.1 High Cost and Complex Manufacturing Process

5.4 Market Opportunities

5.4.1 Growing Demand for Renewable Energy

5.4.2 Adoption of Advanced Carbon Materials for Cancer Treatment

5.5 Future Trends

5.5.1 Growing Focus on Recycling and 3D Printing

5.6 Impact Analysis

6. ADVANCED CARBON MATERIALS MARKET – GLOBAL MARKET ANALYSIS

6.1 Global Advanced Carbon Materials Market Volume (Tons), 2021–2031

6.2 Global Advanced Carbon Materials Market Volume Forecast and Analysis (Tons)

6.3 Global Advanced Carbon Materials Market Revenue (US\$ Million), 2021–2031

6.4 Global Advanced Carbon Materials Market Revenue Forecast and Analysis (US\$ Million)

7. GLOBAL ADVANCED CARBON MATERIALS MARKET VOLUME AND REVENUE ANALYSIS – BY PRODUCT TYPE

7.1 Graphite

7.1.1 Overview

7.1.2 Graphite: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.1.3 Graphite: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.1.4 Natural Graphite

7.1.4.1 Overview

7.1.4.2 Natural Graphite: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.1.4.3 Natural Graphite: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.1.5 Synthetic Graphite

7.1.5.1 Overview

7.1.5.2 Synthetic Graphite: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.1.5.3 Synthetic Graphite: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.2 Carbon Nanotubes

7.2.1 Overview

7.2.2 Carbon Nanotubes: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.2.3 Carbon Nanotubes: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.2.4 Multi-Walled Carbon Nanotubes

7.2.4.1 Overview

7.2.4.2 Multi-Walled Carbon Nanotubes: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.2.4.3 Multi-Walled Carbon Nanotubes: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.2.5 Single-Walled Carbon Nanotubes

7.2.5.1 Overview

7.2.5.2 Single-Walled Carbon Nanotubes: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.2.5.3 Single-Walled Carbon Nanotubes: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.3 Graphene

7.3.1 Overview

7.3.2 Graphene: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.3.3 Graphene: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.4 Carbon Fibers

7.4.1 Overview

7.4.2 Carbon Fibers: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.4.3 Carbon Fibers: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.4.4 PAN-Based

7.4.4.1 Overview

7.4.4.2 PAN-Based: Advanced Carbon Materials Market – Volume and Forecast to

2031 (Tons)

7.4.4.3 PAN-Based: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.4.5 PITCH-Based

7.4.5.1 Overview

7.4.5.2 PITCH-Based: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.4.5.3 PITCH-Based: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.5 Carbon Foams

7.5.1 Overview

7.5.2 Carbon Foams: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.5.3 Carbon Foams: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

7.6 Others

7.6.1 Overview

7.6.2 Others: Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

7.6.3 Others: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8. GLOBAL ADVANCED CARBON MATERIALS MARKET REVENUE ANALYSIS – BY APPLICATION

8.1 Electronics and Semiconductors

8.1.1 Overview

8.1.2 Electronics and Semiconductors: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.1.3 Integrated Circuits

8.1.3.1 Overview

8.1.3.2 Integrated Circuits: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.1.4 Flexible Displays

8.1.4.1 Overview

8.1.4.2 Flexible Displays: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.1.5 Superconductors

8.1.5.1 Overview

8.1.5.2 Superconductors: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.1.6 Transistors

8.1.6.1 Overview

8.1.6.2 Transistors: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.1.7 Industrial Sensors

8.1.7.1 Overview

8.1.7.2 Industrial Sensors: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.1.8 Others

8.1.8.1 Overview

8.1.8.2 Others: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2 Energy Storage

8.2.1 Overview

8.2.2 Energy Storage: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2.3 Lithium-Ion Batteries

8.2.3.1 Overview

8.2.3.2 Lithium-Ion Batteries: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2.4 Fuel Cells

8.2.4.1 Overview

8.2.4.2 Fuel Cells: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2.5 Solar PV Cells

8.2.5.1 Overview

8.2.5.2 Solar PV Cells: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2.6 Hydrogen Storage

8.2.6.1 Overview

8.2.6.2 Hydrogen Storage: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2.7 Electrochemical Supercapacitors

8.2.7.1 Overview

8.2.7.2 Electrochemical Supercapacitors: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.2.8 Others

8.2.8.1 Overview

8.2.8.2 Others: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.3 Structural Composites

8.3.1 Overview

8.3.2 Structural Composites: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.3.3 Sporting Goods

8.3.3.1 Overview

8.3.3.2 Sporting Goods: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.3.4 Wind Turbine Blades

8.3.4.1 Overview

8.3.4.2 Wind Turbine Blades: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.3.5 Light Vehicle or Automotive

8.3.5.1 Overview

8.3.5.2 Light Vehicle or Automotive: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.3.6 Construction and Infrastructure

8.3.6.1 Overview

8.3.6.2 Construction and Infrastructure: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.3.7 Aerospace and Defense

8.3.7.1 Overview

8.3.7.2 Aerospace and Defense: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.4 Chemical Materials and Polymers

8.4.1 Overview

8.4.2 Chemical Materials and Polymers: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.4.3 Coatings Adhesives and Sealants

8.4.3.1 Overview

8.4.3.2 Coatings Adhesives and Sealants: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.4.4 Water Filtration

8.4.4.1 Overview

8.4.4.2 Water Filtration: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.4.5 Catalysts

8.4.5.1 Overview

8.4.5.2 Catalysts: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.4.6 Others

8.4.6.1 Overview

8.4.6.2 Others: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.5 Medical

8.5.1 Overview

8.5.2 Medical: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.5.3 Transdermal Drug Delivery

8.5.3.1 Overview

8.5.3.2 Transdermal Drug Delivery: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.5.4 Cancer Treatment

8.5.4.1 Overview

8.5.4.2 Cancer Treatment: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.5.5 Proteomics

8.5.5.1 Overview

8.5.5.2 Proteomics: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.5.6 Others

8.5.6.1 Overview

8.5.6.2 Others: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

8.6 Others

8.6.1 Overview

8.6.2 Others: Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9. GLOBAL ADVANCED CARBON MATERIALS MARKET – GEOGRAPHICAL ANALYSIS

9.1 Overview

9.2 North America

9.2.1 North America Advanced Carbon Materials Market Overview

9.2.2 North America Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

9.2.3 North America Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.2.4 North America Advanced Carbon Materials Market Breakdown by Product Type

9.2.4.1 North America Advanced Carbon Materials Market Volume and Forecast and Analysis – by Product Type

9.2.4.2 North America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Product Type

9.2.5 North America Advanced Carbon Materials Market Breakdown by Application

9.2.5.1 North America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Application

9.2.6 North America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.2.6.1 North America Advanced Carbon Materials Market Volume and Forecast and Analysis – by Country

9.2.6.2 North America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.2.6.3 United States Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.2.6.3.1 United States Advanced Carbon Materials Market Breakdown by Product Type

9.2.6.3.2 United States Advanced Carbon Materials Market Breakdown by Application

9.2.6.4 Canada Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.2.6.4.1 Canada Advanced Carbon Materials Market Breakdown by Product Type

9.2.6.4.2 Canada Advanced Carbon Materials Market Breakdown by Application

9.2.6.5 Mexico Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.2.6.5.1 Mexico Advanced Carbon Materials Market Breakdown by Product Type

9.2.6.5.2 Mexico Advanced Carbon Materials Market Breakdown by Application

9.3 Europe

9.3.1 Europe Advanced Carbon Materials Market Overview

9.3.2 Europe Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

9.3.3 Europe Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.3.4 Europe Advanced Carbon Materials Market Breakdown by Product Type

- 9.3.4.1 Europe Advanced Carbon Materials Market Volume and Forecast and Analysis – by Product Type
- 9.3.4.2 Europe Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Product Type
- 9.3.5 Europe Advanced Carbon Materials Market Breakdown by Application
 - 9.3.5.1 Europe Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Application
- 9.3.6 Europe Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country
 - 9.3.6.1 Europe Advanced Carbon Materials Market Volume and Forecast and Analysis – by Country
 - 9.3.6.2 Europe Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country
 - 9.3.6.3 Germany Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)
 - 9.3.6.3.1 Germany Advanced Carbon Materials Market Breakdown by Product Type
 - 9.3.6.3.2 Germany Advanced Carbon Materials Market Breakdown by Application
 - 9.3.6.4 France Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)
 - 9.3.6.4.1 France Advanced Carbon Materials Market Breakdown by Product Type
 - 9.3.6.4.2 France Advanced Carbon Materials Market Breakdown by Application
 - 9.3.6.5 Italy Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)
 - 9.3.6.5.1 Italy Advanced Carbon Materials Market Breakdown by Product Type
 - 9.3.6.5.2 Italy Advanced Carbon Materials Market Breakdown by Application
 - 9.3.6.6 United Kingdom Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)
 - 9.3.6.6.1 United Kingdom Advanced Carbon Materials Market Breakdown by Product Type
 - 9.3.6.6.2 United Kingdom Advanced Carbon Materials Market Breakdown by Application
 - 9.3.6.7 Russia Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)
 - 9.3.6.7.1 Russia Advanced Carbon Materials Market Breakdown by Product Type
 - 9.3.6.7.2 Russia Advanced Carbon Materials Market Breakdown by Application
 - 9.3.6.8 Rest of Europe Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)
 - 9.3.6.8.1 Rest of Europe Advanced Carbon Materials Market Breakdown by Product Type

9.3.6.8.2 Rest of Europe Advanced Carbon Materials Market Breakdown by Application

9.4 Asia Pacific

9.4.1 Asia Pacific Advanced Carbon Materials Market Overview

9.4.2 Asia Pacific Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

9.4.3 Asia Pacific Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.4.4 Asia Pacific Advanced Carbon Materials Market Breakdown by Product Type

9.4.4.1 Asia Pacific Advanced Carbon Materials Market Volume and Forecast and Analysis – by Product Type

9.4.4.2 Asia Pacific Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Product Type

9.4.5 Asia Pacific Advanced Carbon Materials Market Breakdown by Application

9.4.5.1 Asia Pacific Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Application

9.4.6 Asia Pacific Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.4.6.1 Asia Pacific Advanced Carbon Materials Market Volume and Forecast and Analysis – by Country

9.4.6.2 Asia Pacific Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.4.6.3 Australia Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.4.6.3.1 Australia Advanced Carbon Materials Market Breakdown by Product Type

9.4.6.3.2 Australia Advanced Carbon Materials Market Breakdown by Application

9.4.6.4 China Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.4.6.4.1 China Advanced Carbon Materials Market Breakdown by Product Type

9.4.6.4.2 China Advanced Carbon Materials Market Breakdown by Application

9.4.6.5 India Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.4.6.5.1 India Advanced Carbon Materials Market Breakdown by Product Type

9.4.6.5.2 India Advanced Carbon Materials Market Breakdown by Application

9.4.6.6 Japan Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.4.6.6.1 Japan Advanced Carbon Materials Market Breakdown by Product Type

9.4.6.6.2 Japan Advanced Carbon Materials Market Breakdown by Application

9.4.6.7 South Korea Advanced Carbon Materials Market – Revenue and Forecast to

2031 (US\$ Million)

9.4.6.7.1 South Korea Advanced Carbon Materials Market Breakdown by Product Type

9.4.6.7.2 South Korea Advanced Carbon Materials Market Breakdown by Application

9.4.6.8 Rest of APAC Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.4.6.8.1 Rest of APAC Advanced Carbon Materials Market Breakdown by Product Type

9.4.6.8.2 Rest of APAC Advanced Carbon Materials Market Breakdown by Application

9.5 Middle East and Africa

9.5.1 Middle East and Africa Advanced Carbon Materials Market Overview

9.5.2 Middle East and Africa Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

9.5.3 Middle East and Africa Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.5.4 Middle East and Africa Advanced Carbon Materials Market Breakdown by Product Type

9.5.4.1 Middle East and Africa Advanced Carbon Materials Market Volume and Forecast and Analysis – by Product Type

9.5.4.2 Middle East and Africa Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Product Type

9.5.5 Middle East and Africa Advanced Carbon Materials Market Breakdown by Application

9.5.5.1 Middle East and Africa Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Application

9.5.6 Middle East and Africa Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.5.6.1 Middle East and Africa Advanced Carbon Materials Market Volume and Forecast and Analysis – by Country

9.5.6.2 Middle East and Africa Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.5.6.3 South Africa Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.5.6.3.1 South Africa Advanced Carbon Materials Market Breakdown by Product Type

9.5.6.3.2 South Africa Advanced Carbon Materials Market Breakdown by Application

9.5.6.4 Saudi Arabia Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.5.6.4.1 Saudi Arabia Advanced Carbon Materials Market Breakdown by Product Type

9.5.6.4.2 Saudi Arabia Advanced Carbon Materials Market Breakdown by Application

9.5.6.5 United Arab Emirates Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.5.6.5.1 United Arab Emirates Advanced Carbon Materials Market Breakdown by Product Type

9.5.6.5.2 United Arab Emirates Advanced Carbon Materials Market Breakdown by Application

9.5.6.6 Rest of Middle East and Africa Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.5.6.6.1 Rest of Middle East and Africa Advanced Carbon Materials Market Breakdown by Product Type

9.5.6.6.2 Rest of Middle East and Africa Advanced Carbon Materials Market Breakdown by Application

9.6 South and Central America

9.6.1 South and Central America Advanced Carbon Materials Market Overview

9.6.2 South and Central America Advanced Carbon Materials Market – Volume and Forecast to 2031 (Tons)

9.6.3 South and Central America Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.6.4 South and Central America Advanced Carbon Materials Market Breakdown by Product Type

9.6.4.1 South and Central America Advanced Carbon Materials Market Volume and Forecast and Analysis – by Product Type

9.6.4.2 South and Central America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Product Type

9.6.5 South and Central America Advanced Carbon Materials Market Breakdown by Application

9.6.5.1 South and Central America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Application

9.6.6 South and Central America Advanced Carbon Materials Market Revenue and Forecast and Analysis – by Country

9.6.6.1 South and Central America Advanced Carbon Materials Market Volume and Forecast and Analysis – by Country

9.6.6.2 South and Central America Advanced Carbon Materials Market Revenue and

Forecast and Analysis – by Country

9.6.6.3 Brazil Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.6.6.3.1 Brazil Advanced Carbon Materials Market Breakdown by Product Type

9.6.6.3.2 Brazil Advanced Carbon Materials Market Breakdown by Application

9.6.6.4 Argentina Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.6.6.4.1 Argentina Advanced Carbon Materials Market Breakdown by Product Type

9.6.6.4.2 Argentina Advanced Carbon Materials Market Breakdown by Application

9.6.6.5 Rest of South and Central America Advanced Carbon Materials Market – Revenue and Forecast to 2031 (US\$ Million)

9.6.6.5.1 Rest of South and Central America Advanced Carbon Materials Market Breakdown by Product Type

9.6.6.5.2 Rest of South and Central America Advanced Carbon Materials Market Breakdown by Application

10. COMPETITIVE LANDSCAPE

10.1 Heat Map Analysis by Key Players

10.2 Company Positioning & Concentration

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Collaboration

11.3 Expansions

11.4 New Product Launch

11.5 Other Developments

12. COMPANY PROFILES

12.1 Nanocyl SA

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

12.1.6 Key Developments

12.2 Teijin Ltd

- 12.2.1 Key Facts
- 12.2.2 Business Description
- 12.2.3 Products and Services
- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments
- 12.3 Arkema SA
 - 12.3.1 Key Facts
 - 12.3.2 Business Description
 - 12.3.3 Products and Services
 - 12.3.4 Financial Overview
 - 12.3.5 SWOT Analysis
 - 12.3.6 Key Developments
- 12.4 LG Chem Ltd
 - 12.4.1 Key Facts
 - 12.4.2 Business Description
 - 12.4.3 Products and Services
 - 12.4.4 Financial Overview
 - 12.4.5 SWOT Analysis
 - 12.4.6 Key Developments
- 12.5 Cabot Corp
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 Kumho Petrochemical Co Ltd
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Tokyo Chemical Industry Co Ltd
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview

- 12.7.5 SWOT Analysis
- 12.7.6 Key Developments
- 12.8 Nanoshel LLC
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 Zeon Corp
 - 12.9.1 Key Facts
 - 12.9.2 Business Description
 - 12.9.3 Products and Services
 - 12.9.4 Financial Overview
 - 12.9.5 SWOT Analysis
 - 12.9.6 Key Developments
- 12.10 Mitsubishi Chemical Carbon Fiber and Composites Inc
 - 12.10.1 Key Facts
 - 12.10.2 Business Description
 - 12.10.3 Products and Services
 - 12.10.4 Financial Overview
 - 12.10.5 SWOT Analysis
 - 12.10.6 Key Developments
- 12.11 Resonac Holdings Corp
 - 12.11.1 Key Facts
 - 12.11.2 Business Description
 - 12.11.3 Products and Services
 - 12.11.4 Financial Overview
 - 12.11.5 SWOT Analysis
 - 12.11.6 Key Developments
- 12.12 Huntsman International LLC
 - 12.12.1 Key Facts
 - 12.12.2 Business Description
 - 12.12.3 Products and Services
 - 12.12.4 Financial Overview
 - 12.12.5 SWOT Analysis
 - 12.12.6 Key Developments
- 12.13 Ocsial
 - 12.13.1 Key Facts

- 12.13.2 Business Description
- 12.13.3 Products and Services
- 12.13.4 Financial Overview
- 12.13.5 SWOT Analysis
- 12.13.6 Key Developments
- 12.14 Sumitomo Chemical Co Ltd
 - 12.14.1 Key Facts
 - 12.14.2 Business Description
 - 12.14.3 Products and Services
 - 12.14.4 Financial Overview
 - 12.14.5 SWOT Analysis
 - 12.14.6 Key Developments
- 12.15 MOLCHEM
 - 12.15.1 Key Facts
 - 12.15.2 Business Description
 - 12.15.3 Products and Services
 - 12.15.4 Financial Overview
 - 12.15.5 SWOT Analysis
 - 12.15.6 Key Developments

13. APPENDIX

- 13.1 About The Insight Partners

I would like to order

Product name: Advanced Carbon Materials Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Product Type [Graphite (Natural Graphite and Synthetic Graphite), Carbon Nanotubes (Multi-Walled Carbon Nanotubes and Single-Walled Carbon Nanotubes), Graphene, Carbon Fibers (PAN-Based and PITCH-Based), Carbon Foams and Others], Application [Electronics and Semiconductors (Integrated Circuits, Flexible Displays, Superconductors, Transistors, Industrial Sensors, and Others), Energy Storage (Lithium-Ion Batteries, Fuel Cells, Solar PV Cells, Hydrogen Storage, Electrochemical Supercapacitors, and Others), Structural Composites (Sporting Goods, Wind Turbine Blades, Light Vehicle or Automotive, Construction and Infrastructure, and Aerospace and Defense), Chemical Materials and Polymers (Coatings Adhesives and Sealants, Water Filtration, Catalysts, and Others), Medical (Transdermal Drug Delivery, Cancer Treatment, Proteomics, and Others), and Others], and Geography

Product link: <https://marketpublishers.com/r/AEE92E089466EN.html>

Price: US\$ 5,190.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AEE92E089466EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970