

North America Advanced Carbon Materials Market Size and Forecast (2021 - 2031), 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] and 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]

<https://marketpublishers.com/r/N1360218EB48EN.html>

Date: January 2025

Pages: 232

Price: US\$ 3,450.00 (Single User License)

ID: N1360218EB48EN

Abstracts

The North America advanced carbon materials market is projected to grow significantly, reaching an estimated US\$ 3,516.23 million by 2031, up from US\$ 2,005.69 million in 2023, reflecting a compound annual growth rate (CAGR) of 7.3% during the forecast period from 2023 to 2031.

Executive Summary and Market Analysis

The advanced carbon materials market in North America is primarily driven by the expanding electronics and semiconductors sector. The region is recognized as a central hub for these industries, bolstered by supportive government policies and initiatives. For example, in May 2024, the US Department of Commerce, along with the governments of Canada and Mexico, hosted the North America Semiconductor Conference in Washington, aimed at enhancing the semiconductor supply chain. Additionally, the establishment of the North American Ministerial Committee on Economic Competitiveness (NAMCEC) seeks to boost productivity and competitiveness across various critical industries, including semiconductors, clean energy, and information and communications technology (ICT).

Moreover, the energy storage sector is experiencing rapid growth in North America. The US government launched the "Investing in America" agenda in 2022, designed to attract investments in key industries that drive economic growth. This initiative has led to substantial investments in energy storage and construction, further increasing the demand for advanced carbon materials in the region.

Market Segmentation

The North America advanced carbon materials market can be segmented by product type and application.

Product Type: The market includes segments such as graphite, carbon nanotubes, graphene, carbon foams, and others. In 2023, the graphite segment dominated the market, which is further divided into natural and synthetic graphite. The carbon nanotubes segment is categorized into Multi-Walled Carbon Nanotubes (MWCNTs) and Single-Walled Carbon Nanotubes (SWCNTs), while the graphene segment is divided into pan-based and PITCH-based types.

Application: The market is also segmented by application, including electronics and

semiconductors, energy storage, structural composites, chemical materials and polymers, medical applications, and others. The energy storage segment held the largest market share in 2023, with further subdivisions into lithium-ion batteries, fuel cells, solar PV cells, hydrogen storage, and electrochemical supercapacitors. The electronics and semiconductors segment includes integrated circuits, flexible displays, superconductors, and transistors, among others.

Market Outlook

The demand for energy storage systems, particularly batteries and supercapacitors, is on the rise as industries and consumers seek efficient energy storage solutions. This trend is driven by the increasing adoption of renewable energy sources, electric vehicles (EVs), and portable electronic devices, all of which require advanced energy storage technologies. Advanced carbon materials, such as graphene, carbon nanotubes, and graphite, are essential in this transition due to their superior properties, including high conductivity and lightweight structures.

Graphite remains a fundamental material in lithium-ion batteries, which are prevalent in the energy storage market. Its excellent electrical conductivity and stability make it ideal for high-energy applications, including EVs and grid storage. Additionally, the use of carbon nanotubes as conductive additives in battery production enhances conductivity and reduces the need for other conductive materials, thereby improving battery performance.

The electric vehicle sector is a significant driver of demand for advanced carbon materials in energy storage applications. As the automotive industry shifts towards electric vehicles, manufacturers are focused on developing more efficient and lightweight batteries. Advanced carbon materials are being integrated into lithium-ion batteries to enhance their performance, leading to faster charging times and greater energy storage capacity. According to the International Energy Agency, global electric vehicle sales reached 13.9 million in 2022, highlighting the growing market for EVs and the corresponding need for advanced carbon-based energy storage solutions.

Country Insights

The North American advanced carbon materials market is primarily composed of the US, Canada, and Mexico, with the US holding the largest market share in 2023. The market is further supported by the increasing number of offshore wind energy projects in the US. The Biden-Harris administration has announced several initiatives, including the

Maryland Offshore Wind Project, aiming to achieve 30 GW of clean energy from offshore wind by 2030. This surge in offshore wind projects is expected to drive demand for advanced carbon materials used in wind turbine blade production.

Key Players

Key players in the North America advanced carbon materials market include Nanocyl SA, Teijin Ltd, Arkema SA, LG Chem Ltd, Cabot Corp, and others. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative products to consumers.

In conclusion, the North America advanced carbon materials market is poised for significant growth, driven by advancements in technology and increasing demand across various sectors, particularly in energy storage and electric vehicles.

Contents

1. INTRODUCTION

- 1.1 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
- 3.3 Primary Research
 - 3.3.1 Hypothesis formulation:
 - 3.3.2 Macro-economic factor analysis:
 - 3.3.3 Developing base number:
 - 3.3.4 Data Triangulation:
 - 3.3.5 Country level data:

4. NORTH AMERICA 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:
- 4.4 List of Vendors in the Value Chain

5. NORTH AMERICA ADVANCED CARBON MATERIALS MARKET - KEY MARKET DYNAMICS

5.1 Market Drivers

5.1.1 Growing Demand for Lightweight Materials

5.1.2 Increasing Demand for Advanced Carbon Materials for Energy Storage

Applications

5.2 Market Restraints

5.2.1 High Cost and Complex Manufacturing Process

5.3 Market Opportunities

5.3.1 Growing Demand for Renewable Energy

5.3.2 Adoption of Advanced Carbon Materials for Cancer Treatment

5.4 Future Trends

5.4.1 Growing Focus on Recycling and 3D Printing

5.5 Impact Analysis

6. ADVANCED CARBON MATERIALS MARKET - NORTH AMERICA ANALYSIS

6.1 North America Advanced Carbon Materials Market Volume (Tons), 2021-2031

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

6.3 North America Advanced Carbon Materials Market Revenue (US\$ Million), 2023-2031

6.4 North America Advanced Carbon Materials Market Forecast and Analysis

7. NORTH AMERICA ADVANCED CARBON MATERIALS MARKET VOLUME AND REVENUE ANALYSIS - BY PRODUCT TYPE

7.1 Graphite

7.1.1 Overview

7.1.2 Graphite: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.1.3 Graphite: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.2 Natural Graphite

7.2.1 Overview

7.2.2 Natural Graphite: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.2.3 Natural Graphite: North America Advanced Carbon Materials Market - Revenue

and Forecast, 2021-2031 (US\$ Million)

7.3 Synthetic Graphite

7.3.1 Overview

7.3.2 Synthetic Graphite: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.3.3 Synthetic Graphite: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.4 Carbon Nanotubes

7.4.1 Overview

7.4.2 Carbon Nanotubes: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.4.3 Carbon Nanotubes: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.5 Multi-Walled Carbon Nanotubes

7.5.1 Overview

7.5.2 Multi-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.5.3 Multi-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.6 Single-Walled Carbon Nanotubes

7.6.1 Overview

7.6.2 Single-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.6.3 Single-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.7 Graphene

7.7.1 Graphene: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.7.2 Graphene: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.8 Carbon Fibers

7.8.1 Carbon Fibers: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.8.2 Carbon Fibers: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.9 PAN-Based

7.9.1 PAN-Based: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.9.2 PAN-Based: North America Advanced Carbon Materials Market - Revenue and

Forecast, 2021-2031 (US\$ Million)

7.10 PITCH-Based

7.10.1 PITCH-Based: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.10.2 PITCH-Based: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.11 Carbon Foams

7.11.1 Carbon Foams: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.11.2 Carbon Foams: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.12 Others

7.12.1 Others: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

7.12.2 Others: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8. NORTH AMERICA ADVANCED CARBON MATERIALS MARKET REVENUE ANALYSIS - BY APPLICATION

8.1 Electronics and Semiconductors

8.1.1 Overview

8.1.2 Electronics and Semiconductors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.2 Integrated Circuits

8.2.1 Overview

8.2.2 Integrated Circuits: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.3 Flexible Displays

8.3.1 Overview

8.3.2 Flexible Displays: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.4 Superconductors

8.4.1 Overview

8.4.2 Superconductors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.5 Transistors

8.5.1 Overview

8.5.2 Transistors: North America Advanced Carbon Materials Market - Revenue and

Forecast, 2021-2031 (US\$ Million)

8.6 Industrial Sensors

8.6.1 Overview

8.6.2 Industrial Sensors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.7 Others

8.7.1 Overview

8.7.2 Others ELESEMI: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.8 Energy Storage

8.8.1 Overview

8.8.2 Energy Storage: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.9 Lithium-Ion Batteries

8.9.1 Overview

8.9.2 Lithium-Ion Batteries: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.10 Fuel Cells

8.10.1 Overview

8.10.2 Fuel Cells: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.11 Solar PV Cells

8.11.1 Overview

8.11.2 Solar PV Cells: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.12 Hydrogen Storage

8.12.1 Overview

8.12.2 Hydrogen Storage: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.13 Electrochemical Supercapacitors

8.13.1 Overview

8.13.2 Electrochemical Supercapacitors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.14 Others ES

8.14.1 Overview

8.14.2 Others: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.15 Structural Composites

8.15.1 Overview

8.15.2 Structural Composites: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.16 Sporting Goods

8.16.1 Overview

8.16.2 Sporting Goods: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.17 Wind Turbine Blades

8.17.1 Overview

8.17.2 Wind Turbine Blades: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.18 Light Vehicle or Automotive

8.18.1 Overview

8.18.2 Light Vehicle or Automotive: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.19 Construction and Infrastructure

8.19.1 Overview

8.19.2 Construction and Infrastructure: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.20 Aerospace and Defense

8.20.1 Overview

8.20.2 Aerospace and Defense: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.21 Chemical Materials and Polymers

8.21.1 Overview

8.21.2 Chemical Materials and Polymers: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.22 Coatings Adhesives and Sealants

8.22.1 Overview

8.22.2 Coatings Adhesives and Sealants: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.23 Water Filtration

8.23.1 Overview

8.23.2 Water Filtration: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.24 Catalysts

8.24.1 Overview

8.24.2 Catalysts: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.25 Others CMP

8.25.1 Overview

8.25.2 Others CMP: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.26 Medical

8.26.1 Overview

8.26.2 Medical: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.27 Transdermal Drug Delivery

8.27.1 Overview

8.27.2 Transdermal Drug Delivery: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.28 Cancer Treatment

8.28.1 Overview

8.28.2 Cancer Treatment: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.29 Proteomics

8.29.1 Overview

8.29.2 Proteomics: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.30 Others

8.30.1 Overview

8.30.2 Others: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.31 Others

8.31.1 Overview

8.31.2 Others: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9. NORTH AMERICA ADVANCED CARBON MATERIALS MARKET - COUNTRY ANALYSIS

9.1 North America

9.1.1 North America Advanced Carbon Materials Market Revenue and Forecast and Analysis - by Country

9.1.1.1 North America Advanced Carbon Materials Market Volume and Forecast and Analysis - by Country

9.1.1.2 North America Advanced Carbon Materials Market Revenue and Forecast and Analysis - by Country

9.1.1.3 United States: North America Advanced Carbon Materials Market - Revenue

and Forecast, 2021-2031 (US\$ Million)

9.1.1.3.1 United States: North America Advanced Carbon Materials Market Share - by Product Type

9.1.1.3.2 United States: North America Advanced Carbon Materials Market Share - by Application

9.1.1.4 Canada: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.1.1.4.1 Canada: North America Advanced Carbon Materials Market Share - by Product Type

9.1.1.4.2 Canada: North America Advanced Carbon Materials Market Share - by Application

9.1.1.5 Mexico: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.1.1.5.1 Mexico: North America Advanced Carbon Materials Market Share - by Product Type

9.1.1.5.2 Mexico: North America Advanced Carbon Materials Market Share - by Application

9.2 Heat Map Analysis by Key Players

9.3 Company Positioning & Concentration

10. INDUSTRY LANDSCAPE

10.1 Overview

10.2 Collaboration

10.3 Expansions

10.4 New Product Launch

10.5 Other Developments

11. COMPANY PROFILES

11.1 Nanocyl SA

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 Teijin Ltd

11.2.1 Key Facts

- 11.2.2 Business Description
- 11.2.3 Products and Services
- 11.2.4 Financial Overview
- 11.2.5 SWOT Analysis
- 11.2.6 Key Developments
- 11.3 Arkema SA
 - 11.3.1 Key Facts
 - 11.3.2 Business Description
 - 11.3.3 Products and Services
 - 11.3.4 Financial Overview
 - 11.3.5 SWOT Analysis
 - 11.3.6 Key Developments
- 11.4 LG Chem Ltd
 - 11.4.1 Key Facts
 - 11.4.2 Business Description
 - 11.4.3 Products and Services
 - 11.4.4 Financial Overview
 - 11.4.5 SWOT Analysis
 - 11.4.6 Key Developments
- 11.5 Cabot Corp
 - 11.5.1 Key Facts
 - 11.5.2 Business Description
 - 11.5.3 Products and Services
 - 11.5.4 Financial Overview
 - 11.5.5 SWOT Analysis
 - 11.5.6 Key Developments
- 11.6 Kumho Petrochemical Co Ltd
 - 11.6.1 Key Facts
 - 11.6.2 Business Description
 - 11.6.3 Products and Services
 - 11.6.4 Financial Overview
 - 11.6.5 SWOT Analysis
 - 11.6.6 Key Developments
- 11.7 Tokyo Chemical Industry Co Ltd
 - 11.7.1 Key Facts
 - 11.7.2 Business Description
 - 11.7.3 Products and Services
 - 11.7.4 Financial Overview
 - 11.7.5 SWOT Analysis

- 11.7.6 Key Developments
- 11.8 Nanoshel LLC
 - 11.8.1 Key Facts
 - 11.8.2 Business Description
 - 11.8.3 Products and Services
 - 11.8.4 Financial Overview
 - 11.8.5 SWOT Analysis
 - 11.8.6 Key Developments
- 11.9 Zeon Corp
 - 11.9.1 Key Facts
 - 11.9.2 Business Description
 - 11.9.3 Products and Services
 - 11.9.4 Financial Overview
 - 11.9.5 SWOT Analysis
 - 11.9.6 Key Developments
- 11.10 Mitsubishi Chemical Carbon Fiber and Composites Inc
 - 11.10.1 Key Facts
 - 11.10.2 Business Description
 - 11.10.3 Products and Services
 - 11.10.4 Financial Overview
 - 11.10.5 SWOT Analysis
 - 11.10.6 Key Developments
- 11.11 Resonac Holdings Corp
 - 11.11.1 Key Facts
 - 11.11.2 Business Description
 - 11.11.3 Products and Services
 - 11.11.4 Financial Overview
 - 11.11.5 SWOT Analysis
 - 11.11.6 Key Developments
- 11.12 Huntsman International LLC
 - 11.12.1 Key Facts
 - 11.12.2 Business Description
 - 11.12.3 Products and Services
 - 11.12.4 Financial Overview
 - 11.12.5 SWOT Analysis
 - 11.12.6 Key Developments
- 11.13 Ocsial
 - 11.13.1 Key Facts
 - 11.13.2 Business Description

- 11.13.3 Products and Services
- 11.13.4 Financial Overview
- 11.13.5 SWOT Analysis
- 11.13.6 Key Developments
- 11.14 Sumitomo Chemical Co Ltd
 - 11.14.1 Key Facts
 - 11.14.2 Business Description
 - 11.14.3 Products and Services
 - 11.14.4 Financial Overview
 - 11.14.5 SWOT Analysis
 - 11.14.6 Key Developments
- 11.15 MOLCHEM
 - 11.15.1 Key Facts
 - 11.15.2 Business Description
 - 11.15.3 Products and Services
 - 11.15.4 Financial Overview
 - 11.15.5 SWOT Analysis
 - 11.15.6 Key Developments

12. APPENDIX

12.1 About Us

List Of Tables

LIST OF TABLES

Table 1. North America Advanced Carbon Materials Market Segmentation

Table 2. List of Vendors

Table 3. North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Table 4. North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Table 5. North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons) - by Product Type

Table 6. North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Product Type

Table 7. North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Application

Table 8. North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons) - by Country

Table 9. North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Country

Table 10. United States: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons) - by Product Type

Table 11. United States: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Product Type

Table 12. United States: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Application

Table 13. Canada: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons) - by Product Type

Table 14. Canada: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Product Type

Table 15. Canada: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Application

Table 16. Mexico: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons) - by Product Type

Table 17. Mexico: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Product Type

Table 18. Mexico: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Application

List Of Figures

LIST OF FIGURES

- Figure 1. North America Advanced Carbon Materials Market Segmentation - Country
- Figure 2. Porter's Five Forces Analysis
- Figure 3. Ecosystem: Advanced Carbon Materials Market
- Figure 4. North America Advanced Carbon Materials Market - Key Market Dynamics
- Figure 5. Global Electric Car Sales (2016-2023)
- Figure 6. Cumulative Renewable Electricity Capacity (GW) (2021-2024)
- Figure 7. Impact Analysis of Drivers and Restraints
- Figure 8. North America Advanced Carbon Materials Market Volume (Tons), 2021-2031
- Figure 9. North America Advanced Carbon Materials Market Revenue (US\$ Million), 2023-2031
- Figure 10. North America Advanced Carbon Materials Market Share (%) - Product Type, 2023 and 2031
- Figure 11. Graphite: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)
- Figure 12. Graphite: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 13. Natural Graphite: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)
- Figure 14. Natural Graphite: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 15. Synthetic Graphite: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)
- Figure 16. Synthetic Graphite: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 17. Carbon Nanotubes: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)
- Figure 18. Carbon Nanotubes: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 19. Multi-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)
- Figure 20. Multi-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 21. Single-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)
- Figure 22. Single-Walled Carbon Nanotubes: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 23. Graphene: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Figure 24. Graphene: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 25. Carbon Fibers: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Figure 26. Carbon Fibers: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 27. PAN-Based: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Figure 28. PAN-Based: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 29. PITCH-Based: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Figure 30. PITCH-Based: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 31. Carbon Foams: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Figure 32. Carbon Foams: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 33. Others: North America Advanced Carbon Materials Market - Volume and Forecast, 2021-2031 (Tons)

Figure 34. Others: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 35. North America Advanced Carbon Materials Market Share (%) - Application, 2023 and 2031

Figure 36. Electronics and Semiconductors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 37. Integrated Circuits: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 38. Flexible Displays: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 39. Superconductors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 40. Transistors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 41. Industrial Sensors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 42. Others ELESEMI: North America Advanced Carbon Materials Market -

Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 43. Energy Storage: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 44. Lithium-Ion Batteries: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 45. Fuel Cells: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 46. Solar PV Cells: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 47. Hydrogen Storage: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 48. Electrochemical Supercapacitors: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 49. Others ES: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 50. Structural Composites: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 51. Sporting Goods: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 52. Wind Turbine Blades: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 53. Light Vehicle or Automotive: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 54. Construction and Infrastructure: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 55. Aerospace and Defense: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 56. Chemical Materials and Polymers: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 57. Coatings Adhesives and Sealants: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 58. Water Filtration: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 59. Catalysts: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 60. Others CMP: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 61. Medical: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 62. Transdermal Drug Delivery: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 63. Cancer Treatment: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 64. Proteomics: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 65. Others ME: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 66. Others: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 67. North America Advanced Carbon Materials Market Breakdown by Key Countries, 2023 and 2031 (%)

Figure 68. United States: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 69. Canada: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 70. Mexico: North America Advanced Carbon Materials Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 71. Heat Map Analysis by Key Players

Figure 72. Company Positioning & Concentration

I would like to order

Product name: North America Advanced Carbon Materials Market Size and Forecast (2021 - 2031), 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] and 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]

Product link: <https://marketpublishers.com/r/N1360218EB48EN.html>

Price: US\$ 3,450.00 (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/N1360218EB48EN.html>