

Global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Market – Products, Applications and Production Capacities

<https://marketpublishers.com/r/G67DF11382D7EN.html>

Date: April 2025

Pages: 523

Price: US\$ 4,950.00 (Single User License)

ID: G67DF11382D7EN

Abstracts

Global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Market Trends and Outlook

The lightweight properties of carbon fibers play a pivotal role in reducing carbon dioxide (CO₂) emissions across the lifecycle of products, addressing critical global environmental challenges. This advantage has driven their growing adoption in key industries, including wind energy, aerospace, automotive, and pressure vessels. In aerospace and automotive sectors, manufacturers are leveraging carbon fiber to enhance fuel efficiency by producing lighter, more aerodynamic aircraft and vehicles. Meanwhile, the wind energy industry has embraced carbon fiber for manufacturing larger, more efficient turbine blades, optimizing energy output. Carbon fiber's high strength-to-weight ratio also makes it ideal for constructing robust, lightweight storage vessels for alternative fuels like hydrogen, aligning with the push for sustainable transportation.

The market faced a significant downturn in 2020 due to the COVID-19 pandemic, which disrupted almost all major end-use sectors. Demand for carbon fibers worldwide recovered sharply during 2021-2022 period driven by recovery in commercial aerospace and industrial applications coupled with robust growth in sports equipment and wind turbine blades production, but experienced a subsequent drop in 2023, primarily due to a significant decrease in demand from the wind energy sector, which is a major consumer of carbon fiber for turbine blades; this reduced, demand led to a surplus in the market and consequently lower prices.

The demand for carbon fiber is poised for significant growth, driven by megatrends such

as the push toward carbon neutrality and advancements in sustainable technologies. Global carbon fiber demand is expected to reach close to 274 thousand metric tons by 2030, growing at a robust CAGR of 13.2% from 2024 to 2030. In terms of value, the global carbon fiber market is projected to reach US\$8.5 billion by 2030. The global market for carbon fiber reinforced plastics (CFRP) was valued at \$28 billion in 2024 and projected to expand at a CAGR of 11.4% in reaching \$54 billion by 2030. Key applications fueling this growth include pressure vessels for compressed natural gas (CNG), renewable natural gas (RNG), and hydrogen (CHG) storage, as well as wind turbine blades, existing commercial aircraft models, and gas diffusion layer base materials for fuel cells.

Major companies operating in the global Carbon Fibers market include Toray (including Zoltek), Teijin, Mitsubishi Chemical, SGL Carbon, Kureha, Hexcel, Formosa Plastics, Syensqo, DowAksa, Hyosung Advanced Materials, UMATEx Group, Zhongfu Shenying, Jilin Chemical Fiber Group (along with Jilin Jinggong), Jiangsu Hengshen and Weihai Tuozhan Fiber among others.

Global Carbon Fibers Production Capacity

The worldwide installed production capacity of carbon fibers was approximately 263k metric tons in 2024. To meet the rising demand across multiple industries, major manufacturers have expanded their production capacities globally, while new entrants are also venturing into this lucrative market. Between 2016 and 2024, the global carbon fiber production capacity grew at a compound annual growth rate (CAGR) of 9.7%. Notably, since 2019, this growth accelerated driven by significant capacity additions in China and investments by leading companies such as Toray (Zoltek), Teijin, Hyosung, and Hexcel.

Recent announcements from key players and new entrants from China suggest that if all planned projects are completed as scheduled, global carbon fiber production capacity could reach 575k metric tons by 2030. Currently, the global market is led by prominent manufacturers, including Toray (which also owns Zoltek), Jilin Chemical Fiber, Mitsubishi Chemical, SGL Carbon, Hexcel, Teijin, and Zhongfu Shenying. Toray holds the largest market share, accounting for over 20% of the global installed capacity.

Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Regional Market Analysis

The global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) market has been, for the purpose of this report, categorized into four major regions, namely North

America, Europe, Asia-Pacific and Rest of World. These regional markets further analyzed for 16 independent countries across North America - The United States and Canada; Europe - Denmark, France, Germany, Italy, Spain and the United Kingdom; and Asia-Pacific - China, India, Japan, South Korea and Taiwan; and Rest of World - Brazil, Russia and Turkiye. With a share of 42.5% in 2024, Asia-Pacific is the largest market for Carbon Fibers worldwide in terms of value and also slated to record the fastest value CAGR of 13% between 2024 and 2030, reaching US\$3.9 billion by 2030.

Global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Market Analysis by Application

The market for global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) applications analyzed in this report include Aerospace & Defense, Sports & Leisure, Wind Energy, Automotive, Pressure Vessels, Construction & Infrastructure, Molding Compounds, Oil & Gas, and Other Industrial applications. Wind Energy constitutes the largest end-use application for carbon fibers worldwide, with a volume share of 28% in 2024. Maintaining a 2024-2030 CAGR of 18%, global consumption of Carbon Fibers in Wind Energy sector is further projected to reach 97 thousand metric tons by 2030. In terms of growth between 2024 and 2030, Pressure Vessels applications of Carbon Fibers are slated to grow at a second fastest volume CAGR of 16% during that period.

Fiberglass (Glass Wool) Insulation Market Report Scope

This global report on Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) analyzes the market based on type and application. This report also reveals historical and current carbon fiber installed production capacities and future expansions by all carbon fiber manufacturers across the globe. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of carbon fiber industry.

Key Metrics

Historical Period: 2021-2023

Base Year: 2024

Forecast Period: 2024-2030

Units: Volume consumption in Metric Tons (Tonnes) and Value market in US\$

Companies Mentioned: 130+

Global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Market by Geographic Region

North America (The United States and Canada)

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

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

Rest of World (Brazil, Russia, Turkiye and Other ROW)

Global Carbon Fibers Market by Product Type

Standard Modulus (Large-tow)

Standard Modulus (Regular-tow)

Intermediate Modulus

High Modulus

Global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Market by Application

Aerospace & Defense

Sports & Leisure

Wind Energy

Automotive

Pressure Vessels

Construction & Infrastructure

Molding Compounds

Oil & Gas

Other Industrial

Global Carbon Fibers Installed (Theoretical) Production Capacity

Carbon Fiber Installed Production Capacity by Manufacturer and Plant Location

Carbon Fiber Installed (Theoretical) Production Capacity by Country and Region

Carbon Fiber Installed (Theoretical) Production Capacity by Source (PAN-based, Pitch-based)

Contents

PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

Global Carbon Fibers End-use Applications Market Trends and Outlook

Global Carbon Fibers Regional Market Trends and Outlook

Global Carbon Fibers Production Capacity Trends and Outlook

Product Outline

Carbon Fibers

Structure and Properties of Carbon Fibers

Mechanical Properties

Thermal and Electrical Properties

Superior X-Ray Permeability

Classification of Carbon Fibers

Classification Based on Raw Materials Used

PAN-Based Carbon Fiber

Pitch-Based Carbon Fiber

Classification Based on Mechanical Properties

Standard Elastic Modulus (HT) Regular-tow Carbon Fibers

Standard Elastic Modulus (HT) Large-tow Carbon Fibers

Intermediate Elastic Modulus (IM) Carbon Fibers

High Elastic Modulus (HM) Carbon Fibers

Classification Based on the Final Heat Treatment Temperature

High-heat-treatment Carbon Fibers (HTT)

Intermediate-heat-treatment Carbon Fibers (IHT)

Low-heat-treatment Carbon Fibers (LHT)

Classification Based on Secondary Processing

Fiber

Tow

Staple Yarn

Woven Fabric

Braid

Chopped Fiber

Milled Fiber

Felt or Mat

Paper

Prepreg

Manufacturing Process of Carbon Fibers

PAN-Based Carbon Fiber
Polymerization
Spinning
Oxidation
Carbonization
Surface Treatment and Sizing
Pitch-Based Carbon Fiber
Pitch Reforming and Refining
Spinning
Oxidation
Carbonization and Graphitization
Carbon Fibers Based on Other Precursors
Cellulosic Carbon Fibers
Lignin Carbon Fibers
Other Precursor Materials
What needs to be done?
Carbon Fiber Composites
Carbon Fiber Reinforced Plastics - CFRPs (Polymer Matrix Composites)
Resin Systems Used in CFRP
Carbon-Carbon Composites (Carbon Matrix Composites)
Metal Matrix Composites
Ceramic Matrix Composites
Hybrid Composites
Manufacturing Processes of Carbon Fiber Composites
Hand Lay-Up
Molding
Compression Molding
Bladder Molding
Vacuum Bagging
Autoclave
Out-of-Autoclave
Resin Infusion
Resin Transfer Molding (RTM)
Vacuum Assisted Resin Transfer Molding (VARTM)
Filament Winding
Pultrusion
Automated Fiber Placement (AFP) and Automated Tape Laying (ATL)
Other Composite Manufacturing Processes
End Use Applications ? A Snapshot

Aerospace and Defense
Sports and Leisure Applications
Automotive & Transportation
Wind Energy
Pressure Vessels
Construction and Infrastructure
Molding Compounds Applications
Oil and Gas Applications
Other Industrial Applications

2. KEY MARKET TRENDS

Unlocking the Future: Composites Opportunities and Emerging Trends in eVTOL Aircraft
China's Aggressive Carbon Fiber Expansion: Global Market Implications
Burgeoning Opportunities for Carbon Fibers in High-pressure Gas Storage Vessels
Advances in Low-Cost Carbon Fiber Manufacturing

3. INDUSTRY LANDSCAPE

An Overview of the Carbon Fibers Supply Chain
Global Carbon Fibers Production Capacities
Carbon Fibers (PAN & Pitch) Installed Capacities by Geographic Region
Carbon Fibers (PAN & Pitch) Installed Capacities by Precursor Type
PAN-Based Carbon Fiber Installed Capacities by Geographic Region
Carbon Fibers (PAN & Pitch) Installed Capacities by Country
Carbon Fibers (PAN & Pitch) Installed Capacities by Manufacturer
PAN-Based Carbon Fibers Installed Capacities by Country
PAN-Based Carbon Fibers Installed Capacities by Manufacturer
Pitch-Based Carbon Fibers Installed Capacities by Country
Pitch-Based Carbon Fibers Installed Capacities by Manufacturer
Installed Capacities of Major Carbon Fiber Manufacturers by their Operating Country
Toray Industries
Teijin Carbon
Mitsubishi Chemical
SGL Carbon
Hexcel Corporation
Hyosung Advanced Materials
Jilin Chemical Fiber Group
Carbon Fibers Manufacturers
4M Carbon Fiber Corp. (United States)
Advanced Carbon Products, LLC (United States)
Anshan Sinocarb Carbon Fibers Co., Ltd. (China)

Bluestar Fibres Corporation (China)
Changsheng (Langfang) Technology Co., Ltd. (China)
DowAksa (Turkey)
Formosa Plastics Corporation (Taiwan)
GanSu HaoShi Carbon Fiber Co., Ltd. (China)
Harper International Corp. (United States)
Hexcel Corporation (United States)
Hyosung Advanced Materials (South Korea)
Jiangsu Hengshen Co., Ltd. (China)
Jindal Advanced Materials Private Limited (India)
Jilin Chemical Fiber Group Co., Ltd. (China)
Jinggong Group Co. Ltd. (China)
Kureha Corporation (Japan)
Mitsubishi Chemical Corporation (Japan)
Newtech Group Co., Ltd. (China)
Nippon Graphite Fiber Corporation (Japan)
Osaka Gas Chemicals Co Ltd. (Japan)
Reliance Industries Ltd. (India)
SGL Carbon SE (Germany)
Shandong Guotai Dacheng Technology Co., Ltd. (China)
Shandong Yongcheng New Materials Co. Ltd. (China)
SINOPEC Shanghai Petrochemical Company Limited (China)
Syensqo SA (Belgium)
Taekwang Industrial Co., Ltd. (South Korea)
Teijin Limited (Japan)
Toray Industries, Inc. (Japan)
UHT Unitech Co., Ltd. (Taiwan)
UMATEX, ROSATOM State Corporation (Russia)
Weihai Guangwei Composites Co., Ltd. (China)
Xinjiang Runjust New Material Co. Ltd (China)
Zhongfu Shenying Carbon Fiber Co., Ltd. (China)
Carbon Fibers Recyclers
Carbon Conversions, Inc. (United States)
Carbon Fiber Recycle Industry Co., Ltd. (Japan)
Carbon Fiber Recycling, Inc. (United States)
CFK Valley Stade Recycling GmbH & Co KG (Germany)
ELG Carbon Fibre Ltd. (United Kingdom)
Hadeg Recycling GmbH (Germany)
Shocker Composites, LLC (United States)

Vartega Inc (United States)
WIPAG Deutschland GmbH (Germany)
YF International BV (Netherlands)
Carbon Fiber Composites Manufacturers
A&P Technology (United States)
Aciturri Aeronautica (Spain)
Adherent Technologies, Inc. (United States)
Advanced International Multitech Co., Ltd. (Taiwan)
Airborne (Netherlands)
Albany Engineered Composites (United States)
ALBIS Distribution GmbH & Co. KG (Germany)
Aldila, Inc. (United States)
Asian Composites Manufacturing Sdn Bhd (Malaysia)
Aurora Flight Sciences Corporation (United States)
Automated Dynamics (United States)
Bally Ribbon Mills (United States)
BGF Industries, Inc. (Porcher Group) (United States)
Bond-Laminates GmbH (Germany)
CIT Composite Materials Italy (Italy)
Composite Technology Development, Inc. (United States)
Composites Horizons Inc (United States)
ENEOS Corporation (Japan)
Euro Advanced Carbon Fiber Composites GmbH (Germany)
F.S. Fehrer Automotive GmbH (Germany)
Faber Industrie SpA (Italy)
Fabric Development Inc (United States)
Fibertech Co., Ltd. (South Korea)
Fothergill Engineered Fabrics Limited (United Kingdom)
Fritzmeier Composite GmbH & CO KG (Germany)
GKN Aerospace (United Kingdom)
Gurit Holding AG (Switzerland)
Hankuk Carbon Co., Ltd. (South Korea)
Hexagon Composites ASA (Norway)
Hexcel Reinforcements UK Limited (United Kingdom)
Jiangsu Aosheng Composite Materials Hi-Tech Co., Ltd. (China)
Kaman Corporation (United States)
Kinenco Limited (India)
KORDSA Teknik Tekstil A.S. (Turkey)
Korea Aerospace Industries Ltd (South Korea)

Kureha (Shanghai) Carbon Fiber Materials Co., Ltd. (China)
LATI Industria Termoplastici SpA (Italy)
Lehmann&Voss&Co. (Germany)
Leonardo SpA (Italy)
LM Wind Power (Denmark)
Luxfer Gas Cylinders (Luxfer Group) (United Kingdom)
Magna International Inc. (Canada)
MENZOLIT GmbH (Germany)
Metal Mate Co., Ltd. (Thailand)
Metyx (Turkey)
Mitsubishi Heavy Industries Ltd (Japan)
Mubea Carbo Tech GmbH (Austria)
Nippon Carbon Co., Ltd. (Japan)
Nordex SE (Germany)
Oxeon AB (Sweden)
Park Aerospace Corp. (United States)
PGTEX China Co., Ltd. (China)
Plasan Carbon Composites, Inc. (United States)
Porcher Industries SA (France)
Premium Aerotec GmbH (Germany)
Quantum Fuel Systems LLC (United States)
Riverscarbon Technologies Ltd (New Zealand)
Rockman Advanced Composites Pvt Ltd (India)
Roding Automobile GmbH (Germany)
RTP Company (United States)
Sakai Industries Ltd (Japan)
SAKAI OVEX Co., Ltd. (Japan)
Saudi Basic Industries Corporation (Saudi Arabia)
SAERTEX GmbH & Co. KG (Germany)
SEKISUI Aerospace (United States)
Showa Aircraft Industry Co., Ltd. (Japan)
Siemens Gamesa Renewable Energy S.A. (Spain)
Sigmatex (UK) Limited (United Kingdom)
Sika AG (Switzerland)
SK Chemicals Co., Ltd. (South Korea)
Spirit Aerosystems Inc (United States)
Steelhead Composites, LLC (United States)
Strata Manufacturing PJSC (Mubadala Development Company) (United Arab Emirates)
Sunwell (Jiangsu) Carbon Fiber Composite Co., Ltd. (China)

Suzlon Energy Ltd. (India)
Taiwan Electric Insulator Co., Ltd. (Taiwan)
Technical Fibre Products Ltd (United Kingdom)
Tex Tech Industries, Inc. (United States)
Topkey Corporation (Taiwan)
Toray Advanced Composites (Netherlands)
The GILL Corporation (United States)
TPI Composites, Inc. (United States)
Trek Bicycle Corporation (United States)
Unicarbon (Lithuania)
UST Mamiya (United States)
Collins Aerospace (United States)
Vectorply Corporation (United States)
Vestas Wind Systems A/S (Denmark)
Worthington Industries, Inc. (United States)
Weihai Guangwei Composites Co., Ltd. (China)

Key Business and Product Trends

Apply Carbon France Unveils its New Identity Procotex France
Syensqo & Vartega Collaborate for the Recycling of Carbon Fiber Waste
Collins Aerospace Opens New Engineering Development and Test Center (EDTC) in Bengaluru, India
Hexcel and FIDAMC Partner up for the Evolution of Composite Materials
Teijin Carbon Launches Tenax™ IMS65 E23 36K 1630tex
Teijin Carbon launches new Sustainable Carbon Fiber Brand: Tenax Next™
More?.

4. GLOBAL MARKET OVERVIEW

Global Carbon Fibers Market

Global Carbon Fiber Production Capacity and Demand Outlook

Global Carbon Fibers Market Overview by End-use Application

Global Carbon Fibers End-Use Application Market Overview by Geographic Region

Aerospace & Defense

Sports & Leisure

Wind Energy

Automotive & Transportation

Pressure Vessels

Construction/Infrastructure

Molding Compounds

Oil & Gas

Other Industrial Applications

Global Carbon Fibers Market Overview by Product Type
Global Carbon Fibers Product Type Market Overview by Geographic Region
Standard Modulus Large-tow Carbon Fibers
Standard Modulus Regular-tow Carbon Fibers
Intermediate Modulus Carbon Fibers
High Modulus Carbon Fibers
Global Carbon Fiber Reinforced Plastics (CFRP) Market
Global Carbon Fiber Reinforced Plastics (CFRP) Market Overview by Manufacturing Process
Global Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

PART B: REGIONAL MARKET PERSPECTIVE

Global Carbon Fibers Market Overview by Geographic Region
Global Carbon Fiber Reinforced Plastics (CFRP) Market Overview by Geographic Region

REGIONAL MARKET OVERVIEW

5. NORTH AMERICA

North American Carbon Fibers Market
North American Carbon Fibers Production Capacity and Demand Outlook
North American Carbon Fibers Market Overview by Geographic Region
North American Carbon Fibers Market Overview by End-use Application
North American Carbon Fibers Market Overview by Product Type
North American Carbon Fiber Reinforced Plastics (CFRP) Market
North American Carbon Fiber Reinforced Plastics (CFRP) Market Overview by Geographic Region
North American Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application
Country-wise Analysis of North American Carbon Fibers & CFRP Market

THE UNITED STATES

United States Carbon Fibers Market
United States Carbon Fibers Market Overview by End-use Application
United States Carbon Fibers Market Overview by Product Type
United States Carbon Fiber Reinforced Plastics (CFRP) Market
United States Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

CANADA

Canadian Carbon Fibers Market

Canadian Carbon Fibers Market Overview by End-use Application

Canadian Carbon Fibers Market Overview by Product Type

Canadian Carbon Fiber Reinforced Plastics (CFRP) Market

Canadian Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

6. EUROPE

European Carbon Fibers Market

European Carbon Fibers Production Capacity and Demand Outlook

European Carbon Fibers Market Overview by Geographic Region

European Carbon Fibers Market Overview by End-use Application

European Carbon Fibers Market Overview by Product Type

European Carbon Fiber Reinforced Plastics (CFRP) Market

European Carbon Fiber Reinforced Plastics (CFRP) Market Overview by Geographic Region

European Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

Country-wise Analysis of European Carbon Fibers & CFRP Market

FRANCE

French Carbon Fibers Market

French Carbon Fibers Market Overview by End-use Application

French Carbon Fibers Market Overview by Product Type

French Carbon Fiber Reinforced Plastics (CFRP) Market

French Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

GERMANY

German Carbon Fibers Market

German Carbon Fibers Market Overview by End-use Application

German Carbon Fibers Market Overview by Product Type

German Carbon Fiber Reinforced Plastics (CFRP) Market

German Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

ITALY

Italian Carbon Fibers Market

Italian Carbon Fibers Market Overview by End-use Application

Italian Carbon Fibers Market Overview by Product Type

Italian Carbon Fiber Reinforced Plastics (CFRP) Market

Italian Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

DENMARK

Danish Carbon Fibers Market

Danish Carbon Fibers Market Overview by End-use Application

Danish Carbon Fibers Market Overview by Product Type

Danish Carbon Fiber Reinforced Plastics (CFRP) Market

Danish Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

SPAIN

Spanish Carbon Fibers Market

Spanish Carbon Fibers Market Overview by End-use Application

Spanish Carbon Fibers Market Overview by Product Type

Spanish Carbon Fiber Reinforced Plastics (CFRP) Market

Spanish Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

THE UNITED KINGDOM

United Kingdom Carbon Fibers Market

United Kingdom Carbon Fibers Market Overview by End-use Application

United Kingdom Carbon Fibers Market Overview by Product Type

United Kingdom Carbon Fiber Reinforced Plastics (CFRP) Market

United Kingdom Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

REST OF EUROPE

Rest of Europe Carbon Fibers Market

Rest of Europe Carbon Fibers Market Overview by End-use Application

Rest of Europe Carbon Fibers Market Overview by Product Type

Rest of Europe Carbon Fiber Reinforced Plastics (CFRP) Market

Rest of Europe Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

7. ASIA-PACIFIC

Asia-Pacific Carbon Fibers Market

Asia-Pacific Carbon Fibers Production Capacity and Demand Outlook

Asia-Pacific Carbon Fibers Market Overview by Geographic Region

Asia-Pacific Carbon Fibers Market Overview by End-use Application

Asia-Pacific Carbon Fibers Market Overview by Product Type

Asia-Pacific Carbon Fiber Reinforced Plastics (CFRP) Market

Asia-Pacific Carbon Fiber Reinforced Plastics (CFRP) Market Overview by Geographic Region

Asia-Pacific Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

Country-wise Analysis of Asia-Pacific Carbon Fibers & CFRP Market

CHINA

Chinese Carbon Fibers Market

Chinese Carbon Fibers Market Overview by End-use Application

Chinese Carbon Fibers Market Overview by Product Type

Chinese Carbon Fiber Reinforced Plastics (CFRP) Market

Chinese Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

INDIA

Indian Carbon Fibers Market

Indian Carbon Fibers Market Overview by End-use Application

Indian Carbon Fibers Market Overview by Product Type

Indian Carbon Fiber Reinforced Plastics (CFRP) Market

Indian Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

JAPAN

Japanese Carbon Fibers Market

Japanese Carbon Fibers Market Overview by End-use Application

Japanese Carbon Fibers Market Overview by Product Type

Japanese Carbon Fiber Reinforced Plastics (CFRP) Market

Japanese Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

SOUTH KOREA

South Korean Carbon Fibers Market

South Korean Carbon Fibers Market Overview by End-use Application

South Korean Carbon Fibers Market Overview by Product Type

South Korean Carbon Fiber Reinforced Plastics (CFRP) Market

South Korean Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

TAIWAN

Taiwanese Carbon Fibers Market

Taiwanese Carbon Fibers Market Overview by End-use Application

Taiwanese Carbon Fibers Market Overview by Product Type

Taiwanese Carbon Fiber Reinforced Plastics (CFRP) Market

Taiwanese Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

REST OF ASIA-PACIFIC

Rest of Asia-Pacific Carbon Fibers Market

Rest of Asia-Pacific Carbon Fibers Market Overview by End-use Application

Rest of Asia-Pacific Carbon Fibers Market Overview by Product Type

Rest of Asia-Pacific Carbon Fiber Reinforced Plastics (CFRP) Market

Rest of Asia-Pacific Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

8. REST OF WORLD

Rest of World Carbon Fibers Market

Rest of World Carbon Fibers Production Capacity and Demand Outlook

Rest of World Carbon Fibers Market Overview by Geographic Region

Rest of World Carbon Fibers Market Overview by End-use Application

Rest of World Carbon Fibers Market Overview by Product Type

Rest of World Carbon Fiber Reinforced Plastics (CFRP) Market

Rest of World Carbon Fiber Reinforced Plastics (CFRP) Market Overview by Geographic Region

Rest of World Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

Country-wise Analysis of Rest of World Carbon Fibers & CFRP Market

BRAZIL

Brazilian Carbon Fibers Market

Brazilian Carbon Fibers Market Overview by End-use Application

Brazilian Carbon Fibers Market Overview by Product Type

Brazilian Carbon Fiber Reinforced Plastics (CFRP) Market

Brazilian Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

RUSSIA

Russian Carbon Fibers Market

Russian Carbon Fibers Market Overview by End-use Application

Russian Carbon Fibers Market Overview by Product Type

Russian Carbon Fiber Reinforced Plastics (CFRP) Market

Russian Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

TURKIYE

Turkish Carbon Fibers Market

Turkish Carbon Fibers Market Overview by End-use Application

Turkish Carbon Fibers Market Overview by Product Type

Turkish Carbon Fiber Reinforced Plastics (CFRP) Market

Turkish Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

OTHER REST OF WORLD

Other Rest of World Carbon Fibers Market

Other Rest of World Carbon Fibers Market Overview by End-use Application

Other Rest of World Carbon Fibers Market Overview by Product Type
Other Rest of World Carbon Fiber Reinforced Plastics (CFRP) Market
Other Rest of World Carbon Fiber Reinforced Plastics (CFRP) Market Overview by End-use Application

PART C: GUIDE TO THE INDUSTRY

Manufacturers of Carbon Fibers and CF precursors, Carbon Fiber Production
Technology Companies
Carbon Fibers Recycling Companies
Carbon Fiber Composites Manufacturers

PART D: ANNEXURE

RESEARCH METHODOLOGY
FEEDBACK

I would like to order

Product name: Global Carbon Fibers & Carbon Fiber Reinforced Plastics (CFRP) Market – Products, Applications and Production Capacities

Product link: <https://marketpublishers.com/r/G67DF11382D7EN.html>

Price: US\$ 4,950.00 (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/G67DF11382D7EN.html>