

Global 24K Carbon Fiber Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global 24K Carbon Fiber market size was valued at US\$ 332 million in 2024 and is forecast to a readjusted size of USD 512 million by 2031 with a CAGR of 6.4% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

24K carbon fiber is created by twisting twenty-four 1K carbon fibers together. This grade of carbon fiber is the strongest available, and is used in applications that require exceptional strength and durability, such as in spacecraft or high-performance race cars.

This report is a detailed and comprehensive analysis for global 24K Carbon Fiber market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global 24K Carbon Fiber market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global 24K Carbon Fiber market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global 24K Carbon Fiber market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global 24K Carbon Fiber market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for 24K Carbon Fiber
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global 24K Carbon Fiber market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hexcel, Toray Composite Materials, Mitsubishi Chemical, Teijin Carbon, Hyosung Advancedmaterials, Taekwang Industrial, Foemosa M, Sinopec Shanghai Petrochemical Company, Formosa Plastic Group, Jilin Chemical Fiber Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

24K Carbon Fiber market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PAN Based Carbon Fiber

Pitch-Based Carbon Fiber

Others

Market segment by Application

Automotives

Ship

Wind Energy

Machinery

Construction

Consumer Electronics

Aerospace and Military

Scientific Research

Others

Major players covered

Hexcel

Toray Composite Materials

Mitsubishi Chemical

Teijin Carbon

Hyosung Advancedmaterials

Taekwang Industrial

Foemosa M

Sinopec Shanghai Petrochemical Company

Formosa Plastic Group

Jilin Chemical Fiber Group

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

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

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe 24K Carbon Fiber product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 24K Carbon Fiber, with price, sales quantity, revenue, and global market share of 24K Carbon Fiber from 2020 to 2025.

Chapter 3, the 24K Carbon Fiber competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 24K Carbon Fiber breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and 24K Carbon Fiber market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 24K Carbon

Fiber.

Chapter 14 and 15, to describe 24K Carbon Fiber sales channel, distributors, customers, research findings and conclusion.

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