

Global Carbon Fiber Powder Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Carbon Fiber Powder market size is expected to reach \$ 545 million by 2032, rising at a market growth of 10.5% CAGR during the forecast period (2026-2032).

Carbon Fiber Powder is a powder-like discontinuous carbon-fiber material. It is typically produced by milling chopped carbon fibers or by reducing short carbon fibers to a powder-form while still retaining fibrous morphology and aspect ratio, thereby providing both reinforcement and conductivity. Its upstream feedstock may be PAN-based carbon fiber, petroleum-pitch-based carbon fiber, coal-tar-pitch-based carbon fiber, or recycled carbon-fiber waste streams, while its downstream demand is concentrated in polymer compounding, conductive or antistatic materials, friction and sealing parts, coatings, and additive-manufacturing feedstocks.

In 2025, global sales of Carbon Fiber Powder reached approximately 9,382 tons, with an average global market price of around US\$ 28/kg. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 20% to 50%.

The carbon fiber powder market is structurally different from the mainstream continuous-fiber structural composites market. It is better understood as a functional filler and short-fiber formulation market. Producer materials consistently position milled carbon fiber as an additive for thermoplastic compounds, thermoset systems, coatings, adhesives, conductive and antistatic formulations, friction materials, flooring, sealing and additive manufacturing. This gives the segment a broad industrial demand base, but also means that demand is fragmented and highly application-specific. Commercial success depends less on one single end market and more on how well suppliers can tune fiber length, sizing, conductivity, dispersibility and processability to each formulation system.

The main growth drivers are the need for multi-functional material systems that combine lightweighting with conductivity, antistatic behavior, dimensional stability, wear resistance and, in some cases, thermal management. Another important structural driver is the increasing industrialization of recycled milled carbon fiber.

That said, the market still faces clear constraints. Carbon fiber powder offers strong property enhancement, but customers often compare it against other conductivity or reinforcement solutions on total formulation cost, handling, dispersion quality and processing stability. In practice, dust control, feeding consistency, fiber-length distribution, sizing compatibility and batch-to-batch reproducibility remain critical barriers to broader substitution. As a result, the market should continue to grow, but more as a specialty industrial materials segment than as a mass-volume commodity category.

This report studies the global Carbon Fiber Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Carbon Fiber Powder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Carbon Fiber Powder that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Carbon Fiber Powder total production and demand, 2021-2032, (Kiloton)

Global Carbon Fiber Powder total production value, 2021-2032, (USD Million)

Global Carbon Fiber Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton), (based on production site)

Global Carbon Fiber Powder consumption by region & country, CAGR, 2021-2032 & (Kiloton)

U.S. VS China: Carbon Fiber Powder domestic production, consumption, key domestic manufacturers and share

Global Carbon Fiber Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kiloton)

Global Carbon Fiber Powder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton)

Global Carbon Fiber Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton)

This report profiles key players in the global Carbon Fiber Powder market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray, Mitsubishi Chemical, Teijin, SGL Carbon, Kureha, Osaka Gas Chemicals, Procotex, Carbon Fiber Recycling (CFR), Liaoning Novcarb, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Carbon Fiber Powder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kiloton) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Carbon Fiber Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Carbon Fiber Powder Market, Segmentation by Type:

Virgin Carbon Fiber Powder

Recycled Carbon Fiber Powder

Global Carbon Fiber Powder Market, Segmentation by Average Fiber Length:

Micro Powder Grade ($<100\ \mu\text{m}$)

Fine Powder Grade ($100\text{--}200\ \mu\text{m}$)

Coarse Powder Grade ($>200\ \mu\text{m}$)

Global Carbon Fiber Powder Market, Segmentation by Particle Size:

20–40 Mesh

40–100 Mesh

100–200 Mesh

Over 200 Mesh

Global Carbon Fiber Powder Market, Segmentation by Application:

Automotive

Electronics and Electrical Appliances

Civil Engineering and Construction

Aerospace

Other

Companies Profiled:

Toray

Mitsubishi Chemical

Teijin

SGL Carbon

Kureha

Osaka Gas Chemicals

Procotex

Carbon Fiber Recycling (CFR)

Liaoning Novcarb

Key Questions Answered:

1. How big is the global Carbon Fiber Powder market?
2. What is the demand of the global Carbon Fiber Powder market?
3. What is the year over year growth of the global Carbon Fiber Powder market?
4. What is the production and production value of the global Carbon Fiber Powder market?
5. Who are the key producers in the global Carbon Fiber Powder market?
6. What are the growth factors driving the market demand?

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