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Global Continuous Fiber Composites in Aerospace Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Continuous Fiber Composites in Aerospace market size was valued at US$ 248 million in 2025 and is forecast to a readjusted size of US$ 339 million by 2032 with a CAGR of 4.7% during review period.

Aerospace continuous fiber composites are advanced structural materials made by combining continuous carbon fiber, glass fiber, or aramid fiber as reinforcement with thermosetting (such as epoxy resin) or thermoplastic resin matrices. They possess characteristics such as lightweight, high strength, high specific stiffness, fatigue resistance, and corrosion resistance, making them core materials for primary load-bearing structures (such as fuselages and wings) in the aerospace field, significantly improving aircraft performance.

The industry chain is based on upstream raw materials (fibers, resins), midstream production of prepregs and structural components, and downstream applications in aircraft primary/secondary structures and engines. The key lies in the combination of carbon fiber, aramid, silicon carbide fiber, and epoxy/high-performance resins, using automated tape/filament placement technology to produce primary structural components. The core requirements are weight reduction and high strength.

Global sales in 2025 were approximately 3,700 tons, with an average selling price of approximately US$65/kg. The industry's gross profit margin is around 25%-30%.

As a core carrier of advanced manufacturing technology, continuous fiber composite materials for aerospace applications are undergoing a profound transformation, shifting

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from secondary load-bearing components to primary load-bearing structures. The core driving force behind this industry's development stems first from the global aerospace industry's rigid demand for lightweighting and emissions reduction. Composite materials already account for 50-90% of the structures of commercial aircraft and drones, directly translating weight reduction into improved fuel economy and lower carbon emissions. Thermoplastic composites can achieve weight reductions of 15-20% by replacing metal components. Secondly, environmental policies such as the EU's Circular Economy Action Plan mandate high recycling rates by 2030, and the recyclable nature of thermoplastic composites aligns perfectly with the low-carbon transition direction.

However, continuous fiber composite materials for aerospace applications also face high production costs and supply chain uncertainties. Processing continuous fiber reinforced thermoplastic composites requires specialized equipment and high-temperature molding processes, resulting in higher production costs compared to traditional materials.

This report is a detailed and comprehensive analysis for global Continuous Fiber Composites in Aerospace 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 Continuous Fiber Composites in Aerospace market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Continuous Fiber Composites in Aerospace market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Continuous Fiber Composites in Aerospace market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

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Global Continuous Fiber Composites in Aerospace market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/kg), 2021-2026

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 Continuous Fiber Composites in Aerospace

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 Continuous Fiber Composites in Aerospace 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 Envalior, Toray, Celanese, Avient, Syensqo, Victrex, US Liner, Evonik, OZER GROUP, Teijin, etc.

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

Market Segmentation

Continuous Fiber Composites in Aerospace market is split by Type and by Application. For the period 2021-2032, 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

Carbon Fiber

Glass Fiber

Aramid Fiber

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Other

Market segment by Fiber Content

20%

30%

40%

Other

Market segment by Matrix Materials

Thermosetting Composites

Thermoplastic Composites

Market segment by Application

Engine Components

Airframe Components

Other

Major players covered

Envalior

Toray

Celanese

Avient

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Syensqo

Victrex

US Liner

Evonik

OZER GROUP

Teijin

SABIC

SGL Carbon

Mitsui Chemicals

Jiangsu QIYI TECHNOLOGIES

Guangzhou Kingfa Carbon Fiber Materials

Zhejiang Suijin Composite Materials

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)

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

Chapter 1, to describe Continuous Fiber Composites in Aerospace product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Continuous Fiber Composites in Aerospace, with price, sales quantity, revenue, and global market share of Continuous Fiber Composites in Aerospace from 2021 to 2026.

Chapter 3, the Continuous Fiber Composites in Aerospace competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Continuous Fiber Composites in Aerospace breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Continuous Fiber Composites in Aerospace market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Continuous Fiber Composites in Aerospace.

Chapter 14 and 15, to describe Continuous Fiber Composites in Aerospace sales channel, distributors, customers, research findings and conclusion.

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Table 156. Continuous Fiber Composites in Aerospace Typical Customers

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