

Global Carbon Fiber Automotive Composites 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 Carbon Fiber Automotive Composites market size was valued at US\$ 957 million in 2025 and is forecast to a readjusted size of US\$ 1495 million by 2032 with a CAGR of 7.0% during review period.

In 2025, the global production of carbon fiber automotive composites reached 30 thousand tons, with an average price of USD 31 thousand per ton, total production capacity of 42 thousand tons, and an average gross margin of 18%.

Carbon fiber automotive composites refer to carbon fiber reinforced polymer (CFRP) materials used in automotive manufacturing, in which carbon fiber serves as the reinforcement and resin systems such as epoxy, polyurethane, polyester, or thermoplastic resins serve as the matrix. These composites are manufactured through processes such as prepreg molding, resin transfer molding (RTM), compression molding, and other forming technologies, and are mainly used in automotive structural parts, exterior body panels, battery enclosures, and functional components to achieve lightweighting, improved fuel efficiency or driving range, and enhanced vehicle safety performance.

The upstream of the carbon fiber automotive composites industry mainly includes carbon fiber precursor, carbon fiber, resin systems such as epoxy, polyurethane, polyamide, and PPS, as well as prepreg suppliers. The midstream consists of carbon fiber composite manufacturers and automotive composite component manufacturers, producing automotive structural and exterior components through RTM, SMC, and prepreg compression molding processes. The downstream mainly includes automotive

manufacturers, including both internal combustion engine vehicles and new energy vehicles, with new energy vehicles being a major driver of demand due to higher lightweighting requirements.

This report is a detailed and comprehensive analysis for global Carbon Fiber Automotive Composites 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 Carbon Fiber Automotive Composites market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Fiber Automotive Composites market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Fiber Automotive Composites market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Fiber Automotive Composites market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 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 Carbon Fiber Automotive Composites

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 Carbon Fiber Automotive Composites 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 Toray, Teijin, Mitsubishi, SGL, Formosa Plastics, Hexcel, etc.

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

Market Segmentation

Carbon Fiber Automotive Composites 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

Thermosetting Composites

Thermoplastic Composites

Market segment by Manufacturing Process

Prepreg Molding

RTM (Resin Transfer Molding)

SMC (Sheet Molding Compound)

Compression Molding

Market segment by Vehicle Type

Passenger Vehicles

Commercial Vehicles

New Energy Vehicles

High-performance and Racing Vehicles

Market segment by Application

Exterior Components

Functional Components

Structural Components

Major players covered

Toray

Teijin

Mitsubishi

SGL

Formosa Plastics

Hexcel

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 Carbon Fiber Automotive Composites product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Carbon Fiber Automotive Composites 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 Carbon Fiber Automotive Composites 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 Carbon Fiber Automotive Composites.

Chapter 14 and 15, to describe Carbon Fiber Automotive Composites sales

channel, distributors, customers, research findings and conclusion.

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