

# Global Carbon Fiber Composites In Automotive Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

Carbon fiber composites in automotive refer to materials made from carbon fibers embedded in a resin matrix, commonly used in the automotive industry for lightweight structural components. These composites offer high strength-to-weight ratios, stiffness, and corrosion resistance, making them ideal for applications where weight reduction is critical, such as chassis, body panels, and interior components. By replacing traditional materials like steel and aluminum, carbon fiber composites contribute to improved fuel efficiency, performance, and handling characteristics in vehicles, while also enabling innovative design possibilities due to their moldability and versatility.

According to our (Global Info Research) latest study, the global Carbon Fiber Composites In Automotive market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

The industry trend for carbon fiber composites in automotive is marked by increasing adoption driven by stricter emissions regulations, growing consumer demand for fuelefficient vehicles, and advancements in manufacturing technology. Automakers are increasingly integrating carbon fiber components into their vehicles to reduce overall weight and improve efficiency without compromising safety or performance. Additionally, advancements in production techniques, such as automated layup processes and recycling technologies, are making carbon fiber composites more cost-effective and environmentally sustainable. As the automotive industry continues to prioritize lightweighting and sustainability, the demand for carbon fiber composites is expected to rise, with further innovations driving their widespread adoption across vehicle segments.



This report is a detailed and comprehensive analysis for global Carbon Fiber Composites In Automotive 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 2024, are provided.

Key Features:

Global Carbon Fiber Composites In Automotive market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Carbon Fiber Composites In Automotive market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Carbon Fiber Composites In Automotive market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Carbon Fiber Composites In Automotive market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2019-2024

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 Composites In Automotive

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 Composites In Automotive 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 SGL Carbon SE, Toray Industries, Inc., Mitsubishi Rayon Co., Ltd., Toho Tenax Co., Ltd., Formosa Plastics Corporation, Hexcel Corporation, DowAksa, Hyosung Corporation, Cytec Solvay Group, TEIJIN LIMITED, etc.

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

Market Segmentation

Carbon Fiber Composites In Automotive market is split by Type and by Application. For the period 2019-2030, 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

Prepreg molding

RTM (Resin Transfer Molding)

Pultrusion

Others

Market segment by Application

Exterior

Interior

Chassis

Major players covered

SGL Carbon SE

Global Carbon Fiber Composites In Automotive Market 2024 by Manufacturers, Regions, Type and Application, Fore..



Toray Industries, Inc.

Mitsubishi Rayon Co., Ltd.

Toho Tenax Co., Ltd.

Formosa Plastics Corporation

Hexcel Corporation

DowAksa

Hyosung Corporation

Cytec Solvay Group

**TEIJIN LIMITED** 

Mitsubishi Chemical Holdings Corporation

Scott Bader Company Ltd

Solvay

Compagnie Industrielle de Textiles – Alizay (CITA)

Faurecia

LANXESS AG

BASF SE

The Boeing Company

Airbus SE

**General Motors Company** 



#### Ford Motor Company

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

Chapter 2, to profile the top manufacturers of Carbon Fiber Composites In Automotive, with price, sales quantity, revenue, and global market share of Carbon Fiber Composites In Automotive from 2019 to 2024.

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

Chapter 4, the Carbon Fiber Composites In Automotive breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024.and Carbon Fiber Composites In Automotive market forecast, by regions, by



Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Composites In Automotive.

Chapter 14 and 15, to describe Carbon Fiber Composites In Automotive sales channel, distributors, customers, research findings and conclusion.



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