

United Kingdom Automotive Glass Fiber Composites Market Report and Forecast 2025-2034

Market Report | 2025-06-30 | 143 pages | EMR Inc.

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Report description:

The United Kingdom automotive glass fiber composites market size reached approximately USD 91.50 Million in 2024. The market is projected to grow at a CAGR of 4.10% between 2025 and 2034, reaching a value of around USD 136.75 Million by 2034.

Key Trends in the Market

Glass fiber composites, also known as fiberglass composites, are advanced materials used in the automotive sector in manufacturing various components of vehicles. These composites are made by combining glass fibers and a polymer resin matrix, creating a lightweight, strong, and durable material. The glass fibers used in these composites are typically made from various types of glass, such as E-glass or S-glass, which have high tensile strength.

- The automotive sector has been increasingly focused on improving fuel efficiency and reducing carbon emissions. Hence, one of key the United Kingdom automotive glass fiber composites market trends include the rising usage of lightweight materials, including glass fiber composites, for manufacturing vehicle components, such as body panels and interior parts, to achieve weight reduction and enhance the overall performance of vehicles.

- With a rising focus on sustainability and growing environmental concerns, automotive manufacturers are increasingly using eco-friendly solutions. Glass fiber composites, being lightweight and fuel-efficient, align with these trends; boosting their utilisation in creating eco-friendly vehicles that meet stringent environmental standards.

- The United Kingdom automotive glass fiber composites market growth can be attributed to advancements in composite technologies and innovations in manufacturing processes. Such factors are expected to enhance the cost-effectiveness and functionalities such as design flexibility and durability of glass fiber composites, surging their demand in automotive applications.

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Market Segmentation

United Kingdom Automotive Glass Fiber Composites Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

Market Breakup by Intermediate Type

- Short Fiber Thermoplastic (SFT)
- Long Fiber Thermoplastic (LFT)
- Continuous Fiber Thermoplastic (CFT)
- Others

Market Breakup by Application Type

- Interior
- Exterior
- Structural Assembly
- Powertrain Components
- Others

Market Share by Intermediate Type

Continuous fiber thermoplastic (CFT) accounts for a substantial portion of the United Kingdom automotive glass fiber composites market share. Continuous fiber thermoplastic (CFT) offers excellent design flexibility and high-performance, recyclable benefits, and high toughness and tensile strength, among others, due to which it is used in structural and non-structural automotive parts such as bumper, seat back, and door inner panel, among others.

Meanwhile, the usage of short fiber thermoplastic (SFT) in powertrain and engine components is likely to rise in the coming years due to its excellent mechanical properties and ease of processing.

Market Share by Application

As per the United Kingdom automotive glass fiber composites market analysis, the usage of the product in exterior components such as hoods, rear and front bumpers, casings, and doors, among others, is significantly increasing. Due to their properties such as abrasion resistance, high tensile strength, corrosion resistance, excellent strength-to-weight ratio, and cost-effectiveness, glass fiber composites are also preferred as alternatives to metals such as steel and aluminium in the exterior of vehicles.

In the forecast period, the application of glass fiber composites in powertrain components, interior, and structural assemblies of vehicles is likely to grow due to their enhanced flexibility, design freedom, and weight-saving benefits.

Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the United Kingdom automotive glass fiber composites market, covering their competitive landscape and latest developments like mergers, acquisitions, investments, and expansion plans.

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Nippon Sheet Glass Co., Ltd.

Nippon Sheet Glass Co., Ltd. is a leading global supplier of high-quality glass and glazing solutions. With a rich history dating back to 1918, the company has been at the forefront of glass technology. It is headquartered in Osaka, Japan, and its products are used in the solar, automotive, and building sectors.

SGL Carbon SE

SGL Carbon SE, established in 1992, is a German-based company that offers carbon-based solutions, catering to sectors such as automotive, aerospace, and electronics, among others. The company aims to offer innovative products that are lightweight, strong, and heat resistant. Some of its offerings include carbon fibers, graphite specialties, and composite materials.

Hexcel Corporation

Hexcel Corporation, founded in 1946, is a leading provider of carbon fiber resin and reinforcement systems. The company has revolutionised the aerospace, defence, and industrial sectors through its cutting-edge composite technologies. Hexcel's expertise lies in manufacturing high-performance composite materials, such as carbon fiber, fiberglass, and aramid fiber.

Other major market players of the United Kingdom automotive glass fiber composites market are Owens Corning, Asahi Fiber Glass Co., Ltd., Exel Composites, 3B - The Fibreglass Company, SAERTEX GmbH & Co.KG, and Berkshire Hathaway Company (Johns Manville), among others.

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