

Global Composite Materials Market Size study & Forecast, by Product Type (Carbon Fiber, Glass Fiber), Manufacturing Process (Layup, Filament, Injection Molding, Pultrusion), End-use, and Regional Forecasts 2025-2035

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Abstracts

The Global Composite Materials Market is valued approximately at USD 93.69 billion in 2024 and is anticipated to grow with a robust CAGR of more than 7.20% over the forecast period 2025-2035. Composite materials—recognized for their remarkable strength-to-weight ratios and exceptional design flexibility—are increasingly being adopted across diverse industries ranging from automotive to aerospace, construction to wind energy, and beyond. These materials are engineered by combining two or more constituent elements with distinct physical or chemical properties, resulting in a final product that exhibits superior performance characteristics. As sustainability becomes an imperative rather than a choice, the widespread integration of lightweight and durable composite solutions is reshaping engineering and product development strategies globally.

A surge in demand for fuel-efficient vehicles and aircrafts, as well as the exponential growth of wind energy installations, are among the primary factors propelling the market forward. Automotive OEMs are pivoting towards carbon fiber and glass fiber composites to meet stringent emissions standards while improving vehicle performance and fuel economy. Furthermore, the push for higher energy efficiency and structural integrity in building materials is nudging the construction sector to integrate advanced composites into modern infrastructures. Meanwhile, continuous innovations in manufacturing processes—such as pultrusion and resin transfer molding—are optimizing production scalability and reducing costs, encouraging broader adoption across mid- to large-scale industries.

Regionally, North America continues to assert dominance in the composite materials landscape, fueled by its matured aerospace, defense, and automotive sectors, and reinforced by robust R&D activities. Europe trails closely behind, driven by its growing wind energy sector and environmental compliance policies that emphasize the use of recyclable and lightweight materials. Asia Pacific, however, is poised to emerge as the fastest-growing regional market through 2035, propelled by rapid industrialization, increasing automotive production, and massive infrastructure development in emerging economies like India, China, and Southeast Asia. Strategic government initiatives promoting renewable energy generation and smart city projects are further augmenting the regional demand for composite solutions.

Major market player included in this report are:

BASF SE

Baker Hughes Company

Schlumberger Limited

Halliburton Company

Chevron Phillips Chemical Company

Impact Fluid Solutions

Aubin Group

Trican Well Service Ltd.

M&D Industries Of Louisiana, Inc.

Croda International Plc.

SGL Carbon

Toray Industries, Inc.

Mitsubishi Chemical Group Corporation

Hexcel Corporation

Solvay S.A.

Global Composite Materials Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Product Type:

Carbon Fiber

Glass Fiber

By Manufacturing Process:

Layup

Filament

Injection Molding

Pultrusion

By End-use:

Automotive

Aerospace & Defense

Construction

Wind Energy

Electrical & Electronics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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