

US Glass Fiber Reinforced Plastics (GFRP) Composites Market Size study, by Resin Type (Polyester resin, Vinyl ester resin, Epoxy resin, Polyurethane resin, Others) by Process (Manual process, Continuous process, Compression molding, Injection molding), by End Use Industry (Aerospace and defense, Construction, Wind energy, Automotive, Electrical and electronics, Others) Forecasts 2022-2032

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Abstracts

US Glass Fiber Reinforced Plastics (GFRP) Composites Market is valued approximately USD 3.70 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.40% over the forecast period 2024-2032. Glass Fiber Reinforced Plastics (GFRP) Composites comprise a diverse array of products and applications, leveraging glass fibers for reinforcement within a polymer matrix, usually resin. These composites deliver a unique blend of traits including lightness, robust strength, resistance to corrosion, and versatile design options. As a result, they find utility across a spectrum of industries including automotive, aerospace, construction, marine, and wind energy. There is a growing trend of utilizing GFRP composites in infrastructure projects across the United States. These materials are being employed in the construction of bridges, highways, buildings, and other infrastructure elements due to their lightweight nature, high strength, corrosion resistance, and durability.

US Glass Fiber Reinforced Plastics (GFRP) Composites Market is experiencing robust growth driven by several key factors. There is a growing trend towards lightweight materials across industries such as automotive, aerospace, construction, and

renewable energy. GFRP composites offer a unique combination of lightweight properties, high strength-to-weight ratio, corrosion resistance, and durability, making them highly desirable for a wide range of applications. Advancements in manufacturing technologies have significantly contributed to the growth of the GFRP composites market in the US. Innovations in processes such as automated layup, resin transfer molding (RTM), and additive manufacturing (3D printing) have enabled the production of complex GFRP components with greater precision, efficiency, and customization. These advancements have expanded the potential applications of GFRP composites and reduced production costs, further driving market growth. Furthermore, the market is driven by increased adoption because of growing emphasis on sustainability and environmental responsibility and rising infrastructure development activities in the region. However, limited recycling and disposal options, on the other hand, will stifle market growth between 2022 and 2032.

Major market player included in this report are:

Owen Corning
PPG Industries
AGY Holding
Hexion Inc
Hexcel Corporation
Company 6
Company 7
Company 8
Company 9
Company 10

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

By Resin Type
Polyester resin
Vinyl ester resin
Epoxy resin
Polyurethane resin
Others

By Process
Manual process
Continuous process

Compression molding
Injection molding

By End Use Industry
Aerospace and defense
Construction
Wind energy
Automotive
Electrical and electronics
Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country 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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