

Global Thermoplastic Glass Fiber Reinforced Plastics Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Thermoplastic Glass Fiber Reinforced Plastics market size was valued at USD 4520.2 million in 2023 and is forecast to a readjusted size of USD 6257.7 million by 2030 with a CAGR of 4.8% during review period.

Glass Fiber Reinforced Polymer (GFRP) is a lightweight, strong, stiff material mostly applied in heavy duty applications. GFRP based on thermoplastic resin offers the best of two worlds: metals and plastics. Glass(fiber) Reinforced Plastic (GRP) is a composite material that consists of a polymer matrix and glass fibers. The polymer matrix is usually an epoxy, vinylester, or polyester thermosetting resin. The resin brings the environmental and chemical resistance to the product, is the binder for the fibers in the structural laminate and defines the form of a GRP part. The glass fibers add strength to the composite. They may be randomly arranged, or conveniently oriented. The most common type of glass fiber used for GRP is E-glass, which is alumino-borosilicate glass. E-CR-glass (Electrical/Chemical Resistance) is also commonly used in applications that require particularly high protection against acidic corrosion. Glass Fiber Reinforced Polymer (GFRP) is a mostly applied in heavy duty applications. GFRP based on thermoplastic resin offers the best of two worlds: metals and plastics.

Global key players of thermoplastic glass fiber reinforced plastics include BASF, SABIC, DSM, Lanxess, Avient, etc. The top five players hold a share over 48%. Asia-Pacific is the largest market, has a share about 38%, followed by Europe and North America, with share 27% and 19%, separately. In terms of product type, Glass Mat Reinforced Thermoplastics is the largest segment, occupied for a share of 44%, and in terms of application, Aerospace & Automotive has a share about 50 percent.

The Global Info Research report includes an overview of the development of the Thermoplastic Glass Fiber Reinforced Plastics industry chain, the market status of Aerospace & Automotive (Glass Mat Reinforced Thermoplastics, Textile-Reinforced Thermoplastics), Electro & Electronics (Glass Mat Reinforced Thermoplastics, Textile-Reinforced Thermoplastics), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Thermoplastic Glass Fiber Reinforced Plastics.

Regionally, the report analyzes the Thermoplastic Glass Fiber Reinforced Plastics markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Thermoplastic Glass Fiber Reinforced Plastics market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Thermoplastic Glass Fiber Reinforced Plastics market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Thermoplastic Glass Fiber Reinforced Plastics industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., Glass Mat Reinforced Thermoplastics, Textile-Reinforced Thermoplastics).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Thermoplastic Glass Fiber Reinforced Plastics market.

Regional Analysis: The report involves examining the Thermoplastic Glass Fiber Reinforced Plastics market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within

different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Thermoplastic Glass Fiber Reinforced Plastics market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Thermoplastic Glass Fiber Reinforced Plastics:

Company Analysis: Report covers individual Thermoplastic Glass Fiber Reinforced Plastics manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Thermoplastic Glass Fiber Reinforced Plastics. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Aerospace & Automotive, Electro & Electronics).

Technology Analysis: Report covers specific technologies relevant to Thermoplastic Glass Fiber Reinforced Plastics. It assesses the current state, advancements, and potential future developments in Thermoplastic Glass Fiber Reinforced Plastics areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Thermoplastic Glass Fiber Reinforced Plastics market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Thermoplastic Glass Fiber Reinforced Plastics 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.

Market segment by Type

Glass Mat Reinforced Thermoplastics

Textile-Reinforced Thermoplastics

Uni-Directional (UD) Fiber Reinforced Thermoplastics

Market segment by Application

Aerospace & Automotive

Electro & Electronics

Construction

Daily Use

Others

Major players covered

BASF

Evonik

SABIC

DSM

Lanxess

Avient

Xenia Materials

SGL Carbon

RTP Company

Toray

Celanese

Solvay

Covestro

Teijin

US Liner

DuPont

Alformet

Complam Material

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 Thermoplastic Glass Fiber Reinforced Plastics product scope,

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market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thermoplastic Glass Fiber Reinforced Plastics, with price, sales, revenue and global market share of Thermoplastic Glass Fiber Reinforced Plastics from 2019 to 2024.

Chapter 3, the Thermoplastic Glass Fiber Reinforced Plastics competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thermoplastic Glass Fiber Reinforced Plastics 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 application, with sales market share and growth rate by type, 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 2017 to 2023. and Thermoplastic Glass Fiber Reinforced Plastics market forecast, by regions, type and 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 Thermoplastic Glass Fiber Reinforced Plastics.

Chapter 14 and 15, to describe Thermoplastic Glass Fiber Reinforced Plastics sales channel, distributors, customers, research findings and conclusion.

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