

# Glass Fiber Reinforced Plastics (GFRP) composites - Global Market Outlook (2017-2026)

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## Abstracts

According to Statistics MRC, the Global Glass Fiber Reinforced Plastics (GFRP) composites market is accounted for \$42.01 billion in 2017 and is expected to reach \$ 80.57 billion by 2026 growing at a CAGR of 7.5%. Rising number of wind energy capacity installations, growing demand for GFRP composites from aerospace and automotive industries and GFRP composites having immense strength, light weight are some of the factors favouring the market. However, huge manufacturing costs and recycling issues are hampering the market growth. In addition, growing demand for GFRP composite pipes from emerging economies is one of the major opportunities during the forecast period.

Glass fiber consists of lightweight and durable fiber produced from fine fibers of glass. Glass fibers show very low brittleness and the fibers of glass used for their production are more cost effective. As compared to metals, the glass fibers are hold better properties, both strength wise and weight wise. They can be smoothly formed by using different molding techniques. Glass fibers are widely used as an important raw material for producing distinct types of composite materials.

By manufacturing process, compression & injection segment commanded the largest market share as this process is widely used for the production of bumpers for vehicles in transportation and panels for electrical equipment in electrical & electronics industries. The demand for compression & injection is increasing rapidly owing to the quick cycling system, reduced labor cost and low mold-clamping pressure. On the other hand, transportation segment is leading the market due to the increased fuel efficiency.

Asia Pacific has acquired significant growth and the growth of this region can be attributed to increasing eco friendly products, construction & infrastructure, pipes &

tanks and electrical & electronics industries particularly in India and China.

Some of the key players in global Glass Fiber Reinforced Plastics (GFRP) composites market include Saint-Gobain S.A, Owens Corning, Asahi Fiber Glass Co., Ltd, Johns Manville Corporation, Taishan Fiberglass, Inc, Jushi Group Co., Ltd, AGY Holdings Corp, Chongqing Polycomp International Corporation, Nippon Sheet Glass Co. Ltd, PPG Industries, Inc, Celanese Corporation, China National Building Material Company Ltd, Binani Industries Ltd, Nitto Boseki Co., Ltd and Reliance Industries.

#### Resin Types Covered:

Polyurethane

Polyester

Thermoplastic

Vinyl Ester

Epoxy

Other Resin Types

#### Materials Covered:

Thermoplastic Resins

Glass Fibre

Fillers

Thermoset Resins

Other Materials

#### Manufacturing Processes Covered:

Injection Process

Manual Process

Continuous Process

Compression Process

Pultrusion Process

Layup Process

Other Manufacturing Process

#### End Users Covered:

Pipes & Tanks

Aerospace & Defense

Electrical & Electronics

Marine

Transportation

Wind Energy

Construction & Infrastructure

Alternative Energy

Infrastructure

Other End-Users

#### Regions Covered:

## North America

US

Canada

Mexico

## Europe

Germany

UK

Italy

France

Spain

Rest of Europe

## Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

## South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

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