

Glass Reinforced Epoxy (GRE) Pipes Market to Surpass US\$ 4.45 Billion, Expanding at 5.4% CAGR by 2035: Fact.MR Analysis

Glass Reinforced Epoxy (GRE) Pipes Market set for steady growth driven by demand in offshore drilling, water treatment, and chemical processing sectors.

ROCKVILLE, MD, UNITED STATES, June 20, 2025 /EINPresswire.com/ -- The global [Glass Reinforced Epoxy \(GRE\) Pipes Market](#) is projected to reach USD 4.45 billion by 2035, growing from USD 2.76 billion in 2025 at a CAGR of 5.4%, according to Fact.MR. Demand is gaining momentum, particularly in offshore oil drilling and across the Middle East and Africa, driven by rising oil, gas, and water treatment projects.



Growth is further supported by product innovations, such as GRE pipes designed for high-pressure applications, and a focus on sustainable materials. While geopolitical tensions have slowed demand in Europe, the market continues to benefit from robust activity in the chemical processing and water treatment industries.

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Glass Reinforced Epoxy (GRE) Pipes Industry Dynamics and Outlook

The GRE pipes market is expanding due to the rising need for corrosion-resistant, lightweight, and high-performance materials in demanding sectors such as offshore drilling, water treatment, and chemical processing. These pipes offer an ideal solution for harsh environments, especially where metal alternatives face durability issues.

However, sustainability concerns, limited awareness in emerging markets, and high production costs present notable challenges. Additionally, alternative materials like carbon fiber composites,

steel, and PVC pose a threat to GRE pipe market share due to their availability and cost-effectiveness.

Rising Demand for Advanced Material Solutions

The market is particularly benefiting from increased demand in the offshore oil and gas sector, where high-pressure GRE pipes are preferred for their strength and reliability. Simultaneously, growth in chemical processing and water infrastructure projects is contributing to the broader adoption of GRE pipes across critical infrastructure, reinforcing the industry's future outlook.

Glass Reinforced Epoxy (GRE) Pipes Demand Analysis and Impact

Raw material suppliers and composite manufacturers form the backbone of the GRE pipes value chain, producing epoxy resins, glass fibers, and additives that determine critical product characteristics such as strength, durability, corrosion resistance, and lightweight design. Their pricing strategies and R&D investments directly influence both production costs and the quality of the final GRE pipe products.

As sustainability gains prominence, these upstream players face growing pressure to develop bio-based or recyclable alternatives, posing both innovation challenges and cost constraints. Supply chain disruptions, whether due to geopolitical tensions, trade barriers, or regional shortages, can rapidly cascade through the entire value chain, highlighting the essential role of raw material availability.

The fabrication and manufacturing stages represent the final conversion of inputs into application-specific GRE pipes, tailored to meet industry demands across sectors like oil and gas, water treatment, and chemical processing, further reinforcing the strategic importance of upstream coordination and innovation.

Key Players

AcwaPipe
Advanced piping
Amerplastics
Future Pipe Industry
GRE Composites
Hengrun Group Co., Ltd
Kemrock Industry
Lianyungang Zhongfu Lianzhong Composites Group Co., Ltd
National Oilwell Varco
NOV Fiber Glass Systems
Saudi Arabian Amiantit Co.
Shawcor Ltd

Smithlinecomposites

Tamdidpipes

Key Strategies

Manufacturers in the glass reinforced epoxy (GRE) pipes market are prioritizing product innovation and geographic expansion to remain competitive in a rapidly evolving landscape shaped by technological advances and infrastructure demands.

Key players are heavily investing in hybrid composite materials that offer not only pressure resistance but also transparency to support the growing demand for smart, remotely monitored infrastructure. These advanced materials cater to industries requiring real-time inspection capabilities and enhanced durability.

To mitigate risks related to supply chain volatility and rising raw material costs, manufacturers are expanding operations into developing regions, particularly in the Middle East and Asia-Pacific, where infrastructure investment is booming. These strategic moves not only bring manufacturers closer to high-growth markets but also align with emerging regulatory standards focused on sustainability and resilient infrastructure development.

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Key Glass Reinforced Epoxy (GRE) Pipes Industry Segmentation and Study across Changing Consumer Preferences

By Pressure (Barg) :

10-20

20-30

30-40

40-50

>50

By Diameter (mm) :

25-100

100-250

250-500

500-750

750-1000

1000-1200

>1200

By Application :

Oil field

Chemical/Petrochemicals

Water Treatment and Sewage Services

Mining Industry

By Region :

North America

Latin America

Europe

East Asia

South Asia & Oceania

Middle East & Africa

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The [glass scintillator market](#) is valued at USD 152.7 million in 2025 and is projected to grow at a CAGR of 6.2%, reaching USD 279.9 million by 2035.

The global [glass filled nylon market](#) was valued at USD 10.7 billion in 2024 and expand at a CAGR of 6.9% to end up at USD 22.3 billion by 2035.

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With its unwavering dedication to providing reliable market intelligence, FACT.MR continues to assist companies in navigating dynamic market challenges with confidence and achieving long-term success. With a global presence and a team of experienced analysts, FACT.MR ensures its clients receive actionable insights to capitalize on emerging opportunities and stay competitive.

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