

Thermoset Resin for Pipe Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Thermoset Resin for Pipe Trends and Forecast

The future of the global thermoset resin for pipe market looks promising with opportunities in the sewer & wastewater, chemical plant, and oil & gas markets. The global thermoset resin for pipe market is expected to grow with a CAGR of 3.1% from 2024 to 2030. The major drivers for this market are the increasing demand for corrosion-resistant and durable piping solutions, growing investments in infrastructure development, and stringent regulations and standards mandating the use of materials with high chemical resistance

Lucintel forecasts that, within the resin type category, polyester is expected to witness the highest growth over the forecast period.

Within the application category, sewer & wastewater is expected to witness the highest growth.

In terms of regions, APAC is expected to witness the highest growth over the forecast period.

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Emerging Trends in the Thermoset Resin for Pipe Market

The development and trend towards the upper performance for the thermoset resins for pipes market, on which new means of forming structures, their materials, and environmental requirements will be imposed. Here are five key emerging trends:

Sustainability and Eco-Friendly Materials: With ratification of stringent environmental regulations the need for environmentally friendly thermoset resins has been on the rise. To meet this demand, manufacturers are producing thermoset resins that are recyclable, low emitting, and bio-based and therefore cues and tend to make a sustainable pipe system.

Corrosion Resistance for Critical Infrastructure: The geographic expansion of the infrastructural development along with the rise in the population has emphasized the failure of materials, particularly pipes under stress corrosion. The demand for synthetic thermosetting resins is on the rise in applications such as the treatment of water handling, transportation of chemicals, and oil & gas pipelines owing to the inability of these particular resins to corrode easily.

Advanced Resin Formulations for Improved Durability: The performance of pipes is set to enhance with the new types of formulations of thermoset resins that are being developed. These include extreme physical and UV resistance resins, high tilted beta resins, and even greater density than the conventional ones to enhance the ability to withstand attacking chemicals for use in industries.

Integration with Smart Technologies: Pipes made of thermosetting resin are now merging with smart technologies for monitoring purposes and the detection of pipe leaks. This trend enables prolonging the lifecycle of pipe systems, lowers unexpected costs and risks, and increases efficiency by combining monitoring of activities regarding water and gas distribution networks with planned activities, thereby enhancing the efficiency of operations in the industry.

Growing Demand in Emerging Markets: There has been a surge in the use of thermoset resin in developing regions due to the capital development of the economies. These are now solid positrons for the market of Thermoset resin for the rest of the world because of their rapid urbanization and industrial development patterns.

These emerging trends are indicative of the increased need for high-performance and

technology-integrated thermoset resin pipes. These trends are forming the future of the thermoset resins market as the rate of infrastructure development increases in all parts of the world.

Recent Developments in the Thermoset Resin for Pipe Market

There are several key developments have been shaping the growth of the thermoset resins for pipes market. These developments are oriented towards enhancing the properties of materials, lessening the impact on the environment, and satisfying the increasing demand in the infrastructure industries.

Bio-mask and low-emission resin development: Biobased thermoset

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