

Global Epoxy Resin Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, End-User Industries, Grade, Type, Sales Channel, Regional Demand, Foreign Trade, Company Share, 2015-2030

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Abstracts

The global Epoxy Resin market stood around 3500 thousand tonnes in 2021 and is expected to grow at a CAGR of 4.05% during the forecast period until 2030. In the year 2021, the market showed a significant growth of 2.5% in comparison to 2020.

Meghmani Finechem Ltd., on the leading producers of Chlor-Alkali and derivatives, has announced the construction of epichlorohydrin (ECH) plant worth INR 275 crore situated in Dahej, Gujarat, India. This plant is estimated to be operational in 2024 with an annual capacity of 50 thousand tonnes. The project is anticipated to reduce India's dependance on other nations for importing Epoxy Resin.

Epoxy resin is a thermosetting copolymer produced through polymerization of epoxide and other monomers containing hydroxyl group. Epoxy resins consists of a monomeric resin, an accelerator, a hardener, and a plasticizer. These resins have various properties such as corrosion resistance, high thermal stability, high mechanical strength, high chemical and environmental resistance, durability, adhesion etc. owing to these properties, epoxy resins find application in several areas including paints and coatings, adhesives, composites, electronic encapsulation, and others. Major applications for epoxy resins include building and construction, automotive, general industrial, consumer goods, wind power, aerospace, marine, and others.

The Epoxy Resin market is primary driven by the construction and industrialization. Increasing demand of light weight high performance materials from the construction and automotive sectors coupled with the increasing demand for high performance materials

in the wind power and aerospace industry is expected to drive the demand for epoxy resins for the forecast period. Moreover, the increasing need for biodegradable polymers and stringent environmental regulations regarding bisphenol A are expected to hinder the demand growth during the forecast period. Throughout the projection period, the automotive and construction industries are anticipated to exhibit significant increase which will further swell the Epoxy Resin demand in the forecast period and total market to reach about 5000 thousand tonnes by 2030.

Based on region, Asia Pacific and Europe are the leading consumers across the globe. In 2021, the highest demand was accounted by Asia Pacific region with a market share of about 60%. Due to increasing demand of application areas including construction and automotive, it is anticipated that Epoxy Resin market is anticipated to swell in the forthcoming years. Moreover, increasing population and per capita income is another factor propelling demand growth in Asia Pacific. Furthermore, China is leading producer of Epoxy Resin on an international level.

Based on type, the global Epoxy Resin market is divided into Bisphenol A Based Resin, Bisphenol F Based Resin, Epoxy Phenol Novolac Based Resin, Cycloaliphatic Epoxy Based Resin, and Others. Bisphenol A Based Resin is dominating the market due to heavy usage to manufacture Polycarbonate plastic and epoxy- based inner lining of canned goods. Some of the other applications of polycarbonate plastic are high performance paints and coatings, DVDs, laptops, refrigerators, eyewear, protective goggles, and optical lenses, and food storage containers.

Based on grade, the Epoxy Resin market is segregated into Liquid, Semi-Solid, and Solid. Amongst these grades, Liquid grade is the most popular kind in the market. Liquid grade was holding a market share of about 50% in 2021. This grade of Epoxy Resin can withstand chemical and physical reactions, and is corrosion resistance. Liquid Epoxy Resins are employed in many different applications, including coating materials, sealants, marine parts, electrical and electronics, and composites.

Based on the end-user industry, the global Epoxy Resin market is segmented into Paints & Coatings, Electrical & Electronics, Construction, Composite Materials, Adhesives, and Others. Paints & Coatings industry is the dominating as a consumer, with a market share of approximately 40% of the total demand in 2021. Electrical & Electronics is also a prominent consumer of Epoxy Resin market.

Major players in the production of Global Epoxy Resin market are Olin Coporation, Nan Ya Plastics Co Ltd, Jiangsu Sanmu Group, Kukdo Chemical Co., Ltd., Hexion Inc.,

Kumho P&B Chemicals, Huntsman Corporation, Nantong Xincheng Synthetic Material Co Ltd, Zhuhai Hongchang Electronic Material Co Ltd, Jiangsu Yangnong Kumho Chemical Co., Ltd., Sinopec Baling Petrochemical Co., Ltd, and NAMA Chemicals.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2030

Objective of the Study:

To assess the demand-supply scenario of Epoxy Resin which covers production, demand and supply of Epoxy Resin market in the globe.

To analyse and forecast the market size of Epoxy Resin

To classify and forecast Global Epoxy Resin market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Epoxy Resin market in the globe.

To extract data for Global Epoxy Resin market, primary research surveys were conducted with Epoxy Resin manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Epoxy Resin market over the coming years.

ChemAnalyst calculated Epoxy Resin demand in the globe by analyzing the historical

data and demand forecast which was carried out considering the historical extraction and supply and demand of Epoxy Resin across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

Key Target Audience:

Epoxy Resin manufacturers and other stakeholders

Organizations, forums and alliances related to Epoxy Resin distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Epoxy Resin manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

Report Scope:

In this report, Global Epoxy Resin s market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by Type: Bisphenol A Based Resin, Bisphenol F Based Resin, Epoxy Phenol Novolac Based Resin, Cycloaliphatic Epoxy Based Resin, and Others

Market, by Grade: Liquid, Semi-Solid, and Solid

Market, by End-use: Paints & Coatings, Electrical & Electronics, Construction, Composite Materials, Adhesives, and Others

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

Contents

1. CAPACITY BY COMPANY

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Epoxy Resin.

2. CAPACITY BY LOCATION

To better understand the regional supply of Epoxy Resin by analyzing its manufacturers' location-based capacity.

3. PRODUCTION BY COMPANY

Study the historical annual production of Epoxy Resin by the leading players and forecast how it will grow in the coming years.

4. DEMAND BY TYPE

Learn about the various types: Bisphenol A Based Resin, Bisphenol F Based Resin, Epoxy Phenol Novolac Based Resin, Cycloaliphatic Epoxy Based Resin, and Others and their demands. It will allow you to choose which type to concentrate on when designing your strategy.

5. DEMAND BY GRADE

Learn about the various grades of Epoxy Resin- Liquid, Semi-Solid, and Solid, and their demands. It will allow you to choose which grade to concentrate on when designing your strategy.

6. DEMAND BY END- USE

Discover which end-user industry (Paints & Coatings, Electrical & Electronics, Construction, Composite Materials, Adhesives, and Others) are creating a market and the forecast for the growth of the Epoxy Resin market.

7. DEMAND BY REGION

Analyzing the change in demand of Epoxy Resin in different regions, i.e., North

America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

8. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)

Multiple channels are used to sell Epoxy Resin. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

9. DEMAND-SUPPLY GAP

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Epoxy Resin.

10. COMPANY SHARE

Figure out what proportion of the market share of Epoxy Resin is currently held by leading players across the globe.

11. COUNTRY-WISE EXPORT

Get details about quantity of Epoxy Resin exported by major countries.

12. COUNTRY-WISE IMPORT

Get details about quantity of Epoxy Resin imported by major countries.

13. PRICING ANALYSIS & FORECAST

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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