

Global Industrial Grade Mixed Bed Resin Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Industrial Grade Mixed Bed Resin market size was valued at US\$ 348 million in 2025 and is forecast to a readjusted size of US\$ 494 million by 2032 with a CAGR of 5.0% during review period.

Industrial grade mixed bed resin refers to the mixed bed ion exchange resin used in industrial water treatment, boiler feed water, chemical desalination water, ordinary pure water preparation, food and beverage process water, industrial circulating water deep treatment, and general laboratory pure water systems. It is usually composed of strong acidic cation exchange resin and strong alkaline anion exchange resin mixed in a certain proportion, used to remove cations, anions, silicates, and other exchangeable ions from water, reduce the conductivity of the effluent, and meet the standards of pure water or desalination water required for industrial production. Compared with electronic grade, nuclear grade, and high-end pharmaceutical grade mixed bed resins, industrial grade mixed bed resins emphasize more on exchange capacity, regeneration efficiency, operational stability, mechanical strength, cost-effectiveness, and applicability, with relatively lower requirements for purity, TOC release, metal ion residue, and trace ion leakage. It is mainly used in scenarios such as supplying water for power boilers, desalinated water for chemical plants, water for steel and petrochemicals, water for food and beverage processing, general industrial pure water, reverse osmosis back-end polishing, and replacement of consumables for water treatment equipment. In 2025, global Mixed Bed Resin production reached approximately 119.62, K MT with an average global market price of around US\$ 6,427 per MT. The annual production capacity of industrial grade mixed bed resin is 100 thousand tons, with a gross profit margin of about 25%.

The upstream mainly includes styrene, divinylbenzene, acrylic monomers, chloromethyl ether, sulfuric acid, hydrochloric acid, liquid alkali, amine functionalization reagents, crosslinking agents, initiators, dispersants, pure water, packaging bags, ton bags, plastic drums, etc. Cation exchange resins mainly rely on styrene, divinylbenzene, and sulfonation reagents, while anion exchange resins mainly rely on styrene, divinylbenzene, chloromethylation reagents, and amination reagents. The upstream cost is greatly affected by petrochemical raw materials, energy prices, environmental protection, hazardous chemical transportation, and acid-base prices.

The downstream of industrial grade mixed bed resin mainly includes power enterprises, thermal power plants, chemical plants, petrochemical enterprises, steel enterprises, food and beverage enterprises, pharmaceutical and general industrial pure water users, boiler feedwater systems, water treatment equipment plants, centralized water supply units in industrial parks, municipal industrial water treatment projects, and water treatment engineering companies. The terminal applications are concentrated in scenarios such as boiler feedwater, chemical desalination water, reverse osmosis back-end polishing, ordinary pure water preparation, deep treatment of circulating water, and industrial water reuse.

The cost of raw materials accounts for approximately 58% to 70%; Manufacturing and processing costs account for approximately 10% to 15%; The cost of energy and environmental treatment accounts for about 6% to 10%; Labor and manufacturing costs account for approximately 5% to 8%; Packaging, warehousing, and transportation account for approximately 4% to 7%.

The industrial grade mixed bed resin market belongs to the mature and stable water treatment consumables market, with demand mainly coming from power, chemical, petrochemical, steel, food and beverage, machinery manufacturing, municipal industrial water treatment, and ordinary pure water systems. This type of product does not rely on high-end certification and extremely low impurity control like electronic grade and nuclear grade mixed bed resins, but has a large usage base and stable replacement cycle. Customers are more concerned about price, exchange capacity, regeneration effect, operating life, and supply stability. The future growth will mainly come from industrial water-saving reuse, improvement of boiler feedwater quality, popularization of reverse osmosis mixed bed combination process, upgrading of old water treatment systems, and increased demand for centralized water supply in industrial parks. Overall, the price elasticity and competition of industrial grade mixed bed resin are relatively high, and the industry growth will not fluctuate sharply. However, with the improvement of industrial water standards and the increasing demand for water resource recycling,

market demand will maintain stable growth, and the focus of enterprise competition will be on resin lifespan, regeneration efficiency, low operating costs, batch stability, and customer service capabilities.

This report is a detailed and comprehensive analysis for global Industrial Grade Mixed Bed Resin market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Industrial Grade Mixed Bed Resin market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Industrial Grade Mixed Bed Resin market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Industrial Grade Mixed Bed Resin market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Industrial Grade Mixed Bed Resin market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Industrial Grade Mixed Bed Resin

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Industrial Grade Mixed Bed Resin market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Purolite, DuPont, Mitsubishi Chemical Corporation, LANXESS, ResinTech, Jacobi Resinex, Thermax Chemicals, Ion Exchange, Graver Technologies, Urbans Aqua, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Industrial Grade Mixed Bed Resin market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Gel Type Mixed Bed Resin

Macroporous Mixed Bed Resin

Market segment by Regeneration Method

Regenerable

Non Regenerable

Market segment by Factory Type

H Type

OH Type

Market segment by Application

Industrial Water Treatment

Chemical Industry

Medicine

Other

Major players covered

Purolite

DuPont

Mitsubishi Chemical Corporation

LANXESS

ResinTech

Jacobi Resinex

Thermax Chemicals

Ion Exchange

Graver Technologies

Urbans Aqua

Ionic Systems

Suzhou Bojie Resin Technology

Zhejiang Zhengguang Industrial

Sunresin New Materials

Jiangsu Suqing Water Treatment Engineering Group

Jiangsu Jinkai Resin Chemical

Hebei Lijiang Biotechnology

Jiangsu Haipu Functional Materials

Pure Resin

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 Industrial Grade Mixed Bed Resin product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Industrial Grade Mixed Bed Resin, with price, sales quantity, revenue, and global market share of Industrial Grade Mixed Bed Resin from 2021 to 2026.

Chapter 3, the Industrial Grade Mixed Bed Resin competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Industrial Grade Mixed Bed Resin breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Industrial Grade Mixed Bed Resin market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Industrial Grade Mixed Bed Resin.

Chapter 14 and 15, to describe Industrial Grade Mixed Bed Resin sales channel, distributors, customers, research findings and conclusion.

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