

Global Industrial Ion Exchange Membrane 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 Ion Exchange Membrane market size was valued at US\$ 7902 million in 2025 and is forecast to a readjusted size of US\$ 13574 million by 2032 with a CAGR of 8.0% during review period.

In 2025, global Industrial Ion Exchange Membrane output reached about 320 million m² and global capacity of around 360 million m². The average price is about USD 24 per m², with gross margins near 38%. Industrial ion exchange membranes are functional polymer membranes containing fixed positively or negatively charged groups that selectively transport specific ions while blocking others under an electric field or concentration gradient. They are the core separation components in industrial electrochemical and membrane-based processes such as electrodialysis (ED), electrodeionization (EDI), chlor-alkali production, acid/base recovery, wastewater treatment, lithium extraction, green hydrogen production, redox flow batteries, and other energy storage systems. The industrial supply chain begins with upstream suppliers of specialty polymers (such as fluoropolymers, hydrocarbon polymers, polyethylene, polypropylene, and engineering plastics), ion-exchange resins, functional monomers, reinforcing fabrics, solvents, catalysts, and membrane additives. Midstream manufacturers synthesize ion-exchange polymers, fabricate cation exchange membranes (CEM), anion exchange membranes (AEM), bipolar membranes (BPM), and specialty composite membranes through casting, extrusion, lamination, reinforcement, and surface modification processes, followed by module assembly and quality testing. Downstream, the membranes are integrated by equipment manufacturers and engineering companies into electrodialysis stacks, electrolysis systems, water purification equipment, chemical processing units, and energy storage

devices, serving industries including water treatment, chemicals, pharmaceuticals, food and beverage, mining and metallurgy, semiconductors, power generation, and renewable energy.

The Industrial Ion Exchange Membrane market is experiencing strong growth driven by increasing global demand for advanced water treatment, industrial wastewater recycling, and zero liquid discharge (ZLD) systems, alongside tightening environmental regulations for desalination and resource recovery. Rapid expansion of green hydrogen production through water electrolysis, the commercialization of redox flow batteries for long-duration energy storage, and growing investment in lithium extraction from brines are significantly increasing demand for high-performance ion exchange membranes with greater conductivity, chemical stability, and longer service life. In the chemical industry, continuous adoption of energy-efficient electrodialysis, chlor-alkali production, acid and alkali recovery, and food and pharmaceutical purification processes is further supporting market expansion. At the same time, technological advancements in fluorinated and hydrocarbon membrane materials, reinforced composite structures, and bipolar membrane technologies are improving operational efficiency while reducing energy consumption and maintenance costs, encouraging broader adoption across industrial, environmental, and clean energy applications.

Report Scope

This report is a detailed and comprehensive analysis for global Industrial Ion Exchange Membrane 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 Ion Exchange Membrane market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sqm), 2021-2032

Global Industrial Ion Exchange Membrane market size and forecasts by region and

country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sqm), 2021-2032

Global Industrial Ion Exchange Membrane market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sqm), 2021-2032

Global Industrial Ion Exchange Membrane market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (US\$/Sqm), 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 Ion Exchange Membrane
- 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 Ion Exchange Membrane 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 Fujifilm, Membrion, AGC Chemicals, DuPont, ASTOM, Chemours, Asahi Kasei, fumatech, MEGA a.s., PCCell, etc.

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

Industrial Ion Exchange Membrane 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 Segmentation

Market segment by Type

Non-Reinforced

Fabric-Reinforced

Composite-Reinforced

Market segment by Thickness

<100 ?m

100–200 ?m

>200 ?m

Market segment by Area Resistance

<2 ?·cm²

2–5 ?·cm²

>5 ?·cm²

Market segment by Application

Water Treatment

Electrochemical Treatment

Pharmaceutical

Food Processing

Others

Major players covered

Fujifilm

Membrion

AGC Chemicals

DuPont

ASTOM

Chemours

Asahi Kasei

fumatech

MEGA a.s.

PCCell

Membranes International

Toyobo

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)

Chapter Outline

Chapter 1, to describe Industrial Ion Exchange Membrane product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Industrial Ion Exchange Membrane, with price, sales quantity, revenue, and global market share of Industrial Ion Exchange Membrane from 2021 to 2026.

Chapter 3, the Industrial Ion Exchange Membrane competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Industrial Ion Exchange Membrane 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 Ion Exchange Membrane 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 Ion Exchange Membrane.

Chapter 14 and 15, to describe Industrial Ion Exchange Membrane sales channel,

distributors, customers, research findings and conclusion.

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