

Global Ion Selective Permeable Membrane Market Research Report 2022 Professional Edition

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Abstracts

The global Ion Selective Permeable Membrane market was valued at 75.11 Million USD in 2021 and will grow with a CAGR of 4.74% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Ion-exchange membranes transport dissolved ions across a conductive polymeric membrane. The membranes are often used in desalination and chemical recovery applications, moving ions from one solution to another with little passage of water. Ion-exchange membranes are made of a polymeric material attached to charged ion groups. Anion-exchange membranes contain fixed cationic groups with predominantly mobile anions; because anions are the majority species, most of the conductivity is due to anion transport. Cation-exchange membranes contain fixed anionic groups with predominantly mobile cations; because cations are the majority species, most of the conductivity is due to cation transport. The permselectivity of ion-exchange membranes describes their charge selectivity. This charge selectivity reflects the membrane's ability to discriminate between ions of opposite charge. A higher selectivity leads to increased recovery and performance of the membrane. The market is driven by various end-user industries, such as chlor-alkali processing, energy, water treatment and other industries. The consumption volume market share of Ion Exchange Membrane in chlor-alkali processing is about 89.67% in 2016. The industry is high concentration, the key brands include Du Pont, Asahi Kasei, Asahi Glass, Solvay, Dongyue Group and so on.

These players occupied about 96.06% revenue market share in 2016. The industry is expected to remain innovation-led, with acquisitions and strategic alliances adopted as the key strategies by the players to increase their industry presence. Market stays in mature period with a clear concentration. There hardly to have obvious technology breakthrough except deeper system function integration. Meanwhile, optimize product mix and further develop value-added capabilities to maximize margins. Manufacturers can take advantage of this situation by reinforcing their production units and supply-chains to avoid any delay in production turn-around-times (TAT) and supply-lead-times. All manufactures in the world are committed to the improvement of product. These two years, some of Chinese manufactures can almost catch up with the world's leading technology too. Most technologies are developed by the manufacturers instead of importing from other companies. Price in North America is much higher than that of China and other developing countries due to their high quality and powerful functionalities. Developing countries such as China and India is more likely to attract more investment opportunity for their potential demand. Based on types, the global Ion Exchange Membrane market is segmented into perfluorosulfonic acid ion exchange membrane, perfluorocarboxylic acid ion exchange membrane and others (e.g: hydrocarbonmembranes). The perfluorosulfonic acid ion exchange membrane occupied about 84.84% revenue market share in 2016.

By Market Verdors:

DuPont

Asahi Kasei

Asahi Glass

Solvay

Dongyue Group

Fujifilm

FUMATECH BWT GmbH

ASTOM Corporation

Saltworks Technologies

By Types:

Perfluorosulfonic Acid Ion Exchange Membrane

Perfluorocarboxylic Acid Ion Exchange Membrane

By Applications:

Chlor-alkali Processing

Energy

Water Treatment

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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