

# **Nanofiltration Membrane Market by Type (Polymeric, Inorganic, and Hybrid) and Application (Water & Wastewater Treatment, Food & Beverages, Chemical & Petrochemicals, Pharmaceutical & Biomedical, and Others): Global Opportunity Analysis and Industry Forecast, 2018 - 2025**

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## **Abstracts**

The global nanofiltration membrane market was valued at \$643.22 thousand in 2017, and is projected to reach \$954.65 million by 2025, growing at a CAGR of 5.4% from 2018 to 2025.

Nanofiltration is a pressure-driven membrane process utilized for liquid-phase separations. Nanofiltration membranes allow ions to be separated through a combination of size & electrical effects of ultrafiltration (UF) membranes and ion interaction mechanisms of reverse osmosis (RO) membranes. The pore size of nanofiltration membranes is so small that even small uncharged solutes are rejected while surface electrostatic properties allow transmission of monovalent ions. The global nanofiltration membrane market is driven by its applications and demand from end users, which include water & wastewater treatment, food & beverages, chemical & petrochemicals, pharmaceutical & biomedical, textile, and metalworking industry.

Rapid urbanization and industrialization across the emerging economies such as India and China and increase in demand for water for domestic and industrial purposes drive the growth of the global nanofiltration market. In addition, increase in water scarcity across Asian and Arabian countries leads to increase in demand for nanofiltration membrane in the market. Nanofiltration membranes are used for antibiotic separation process and to enhance synthesis reaction conversion. Expansion of pharmaceutical

industry across developing nations such as India, China, and Brazil increase the demand for nanofiltration membrane in the market. However, high installation costs and lack of funds in emerging economies such as India restrict the market growth. Increase in use of chemical free water treatment procedures across various industries provide potential growth opportunities for market expansion.

The nanofiltration membrane market is segmented based on type, application, and region. Based on type, the market is divided into polymeric, inorganic, and hybrid. Based on application, the market is classified into water & wastewater treatment, food & beverages, chemical & petrochemicals, pharmaceutical & biomedical, and others. Based on region, the global market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The major key players operating in the nanofiltration membrane market include Alfa Laval, Applied Membranes, Inc., Argonide Corporation, Danaher, DowDuPont Inc., GEA Group Aktiengesellschaft, Inopor, Koch Membrane Systems, Inc., Nitto Denko Corporation, and Toray Industries, Inc. Other players operating in the global nanofiltration membrane market include the Synder Filtration, Inc, Culligan, Linde, Merck, Siemens, SPX Flow, and Shanghai Minipore.

## KEY BENEFITS FOR STAKEHOLDERS

Porter's five forces analysis helps to analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

It outlines the current trends and future scenario of the market from 2018 to 2025 to understand the prevailing opportunities and potential investment pockets.

Major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, and opportunities and their detailed impact analyses are elucidated in the study.

The profiles of key players along with their key strategic developments are enlisted in the report.

## KEY MARKET SEGMENTS

By Type

Polymeric

Inorganic

Hybrid

By Application

Water & Wastewater Treatment

Food & Beverages

Chemical & Petrochemicals

Pharmaceutical & Biomedical

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

Italy

UK

Rest of Europe

Asia-Pacific

China

Japan

South Korea

India

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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