

Global PVDF Membrane Market Size study & Forecast, by Type (Hydrophilic, Hydrophobic), by Technology (Ultrafiltration, Microfiltration, Nanofiltration), by Application (General Filtration, Sample Preparation, Bead-based Assays, Others), by End Use Industry (Biopharmaceutical, Industrial, Food & Beverage, Others) and Regional Analysis, 2022-2029

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Abstracts

Global PVDF Membrane Market is valued approximately USD 679.32 million in 2021 and is anticipated to grow with a healthy growth rate of more than 8% over the forecast period 2022-2029. PVDF Membrane or polyvinylidene difluoride (PVDF) is one of the commonly used filtration membrane. PVDF Membrane are considered mechanically strong, and exhibit superior chemical resistance, and high thermal stability, and are in both hydrophilic and hydrophobic options. These membranes prepared using the non-solvent induced phase separation (NIPS) method and are used for water treatment applications. The growing expansion of water & wastewater treatment industry and stringent regulations towards treatment of municipal and industrial wastes are key factors driving the market growth.

The growing expansion of water and wastewater treatment industry is contributing towards the growth of the Global PVDF Membrane market. For instance - as per Statista – in 2021 the global water and wastewater treatment market was valued at USD 281.75 billion, and the market is projected to reach a value of approximately USD 490 billion by 2029, witnessing a CAGR of 7.1 percent during the forecast period of 2022 to 2029. Additionally, in 2021, the North American water and wastewater treatment market increased 6.5 percent year-over-year, to 109.5 billion. Also, growing need for treated water in developing economies and rising adoption of membrane filtration technology

would create lucrative growth prospectus for the market over the forecast period. However, the high cost of PVDF Membrane and limited life span and efficiency of PVDF membrane stifle the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global PVDF Membrane Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the increasing usage of PVDF membrane in water treatment applications in the region. Whereas Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as rising expansion of biopharmaceuticals industries and rise in stringent regulations regarding water treatment & industrial wastewater discharge in the region.

Major market player included in this report are:

Arkema

Merck Millipore

Koch Separation Solutions

Cytiva

CITIC Envirotech

Pall

Bio-Rad Laboratories

Thermo Fisher Scientific

Membrane Solutions

GVS

Recent Developments in the Market:

- In July 2020, Merck Millipore announced an investment of USD 21.23 million for construction of a laboratory facility in Buchs, Switzerland. This new facility would enable the company to expand its R&D capabilities in the region.
- In April 2020, Koch Separation Solutions announce expansion of its manufacturing capacity of its PURON reinforced hollow fiber membrane technology by 50.0%. This expansion intended to serve businesses that utilize these technologies for wastewater treatment needs.

Global PVDF Membrane Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape,

Growth factors, and Trends

Segments Covered Type, Technology, Application, End-use Industry, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Hydrophilic

Hydrophobic

By Technology:

Ultrafiltration

Microfiltration

Nanofiltration

By Application:

General Filtration

Sample Preparation

Bead-based Assays

Others

By End Use Industry:

Biopharmaceutical

Industrial

Food & Beverage

Others

By Region:

North America

U.S.

Canada

Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
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Brazil
Mexico
RoLA
Rest of the World

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