

## **Global PVDF Membrane Market Report and Forecast 2023-2028**

Market Report | 2023-07-11 | 185 pages | EMR Inc.

### **AVAILABLE LICENSES:**

- Single User License \$2999.00
- Five User License \$3999.00
- Corporate License \$4999.00

### **Report description:**

Global PVDF Membrane Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global PVDF membrane market reached a value of USD 794.58 million in 2022. Aided by the increasing demand for superior filtration solutions across multiple industries and the broadening applications of PVDF membranes, the market is projected to further grow at a CAGR of 6.51% between 2023 and 2028 to reach a value of USD 1155.72 million by 2028.

PVDF (Polyvinylidene fluoride) is a high-purity thermoplastic polymer known for its robust chemical resistance and thermal stability. PVDF membranes, derived from this polymer, are extensively used in filtration processes due to their high durability, chemical compatibility, and mechanical strength. Their excellent hydrophobicity makes them invaluable in applications like sample preparation, protein separation, and sterilisation procedures in industries such as pharmaceuticals, biotechnology, food and beverage, and wastewater treatment.

The escalating global demand for efficient filtration solutions is driving the PVDF membrane market growth. With an upsurge in industries' reliance on purified water and clean environments, the need for effective filtration materials has grown significantly. PVDF membranes, with their superior chemical resistance and filtration capabilities, have become an increasingly preferred choice, leading to a surge in market demand.

Furthermore, the burgeoning trend of miniaturisation in the biotechnology and pharmaceutical industries has led to an increase in the PVDF membrane market demand. They are vital in the manufacturing of microfiltration and ultrafiltration systems, which are becoming increasingly prevalent in lab-scale as well as industrial-scale applications.

The versatility of PVDF membranes is also a significant factor propelling the PVDF membrane market development. These membranes can be used in both hydrophilic and hydrophobic applications, increasing their usability across various industries. In the pharmaceutical and biotech sectors, PVDF membranes are used in drug delivery systems and for filtration in protein separation and purification. Similarly, in the food and beverage sector, they aid in the filtration of wine, beer, and other liquids to maintain product quality and safety.

Moreover, the growth in the wastewater treatment sector has resulted in an expanded scope for PVDF membranes. With increasing environmental concerns and stricter regulations for water discharge, the need for effective water treatment solutions is

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

higher than ever. Furthermore, the heightened deployment of these membranes in wastewater treatment plants, owing to their high mechanical strength and chemical resistance, is garnering the PVDF membrane market growth.

#### Market Segmentation

The market can be divided based on type, technology, application, end use, and region.

#### Market Breakup by Type

- Hydrophobic

- Hydrophilic

#### Market Breakup by technology

- Microfiltration

- Ultrafiltration

- Nanofiltration

- Others

#### Market Breakup by Application

- Filtration

- Blotting

- Separation

- Purification

- Others

#### Market Breakup by End Use

- Biopharmaceutical

- Pharmaceutical

- Food and Beverage

- Others

#### Market Breakup by Region

- North America

- Europe

- Asia Pacific

- Latin America

- Middle East and Africa

#### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global PVDF membrane companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- Arkema Group

- Cobetter Filtration Equipment Co. Ltd

- Pall Corporation

- Citic Envirotech Ltd

- GVS S.p.A

- Bio-Rad Laboratories, Inc.

- Thermo Fisher Scientific Inc.

- Membrane Solutions, LLC

- Toray Industries, Inc.

- Synder Filtration Inc.

- Others

#### About Us

Acquire unparalleled access to critical industry insights with our comprehensive market research reports, meticulously prepared by a team of seasoned experts. These reports are designed to equip decision-makers with an in-depth understanding of prevailing

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

market trends, competitive landscapes, and growth opportunities.

Our high-quality, data-driven analyses provide the essential framework for organisations seeking to make informed and strategic decisions in an increasingly complex and rapidly evolving business environment. By investing in our market research reports, you can ensure your organisation remains agile, proactive, and poised for success in today's competitive market.

Don't miss the opportunity to elevate your business intelligence and fortify your strategic planning. Secure your organisation's future success by acquiring one of our Expert Market Research reports today.

\*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

## **Table of Contents:**

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
  - 3.1 Market Definition and Outlook
  - 3.2 Properties and Applications
  - 3.3 Market Analysis
  - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
  - 5.1 Overview
  - 5.2 Key Drivers
  - 5.3 Key Developments
  - 5.4 Competitive Structure
  - 5.5 Key Industrial Trends
- 6 Market Snapshot
  - 6.1 Global
  - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global PVDF Membrane Market Analysis
  - 8.1 Key Industry Highlights
  - 8.2 Global PVDF Membrane Historical Market (2018-2022)
  - 8.3 Global PVDF Membrane Market Forecast (2023-2028)
  - 8.4 Global PVDF Membrane Market by Type
    - 8.4.1 Hydrophobic
      - 8.4.1.1 Historical Trend (2018-2022)
      - 8.4.1.2 Forecast Trend (2023-2028)
    - 8.4.2 Hydrophilic
      - 8.4.2.1 Historical Trend (2018-2022)
      - 8.4.2.2 Forecast Trend (2023-2028)
  - 8.5 Global PVDF Membrane Market by Technology
    - 8.5.1 Microfiltration
      - 8.5.1.1 Historical Trend (2018-2022)
      - 8.5.1.2 Forecast Trend (2023-2028)
    - 8.5.2 Ultrafiltration
      - 8.5.2.1 Historical Trend (2018-2022)
      - 8.5.2.2 Forecast Trend (2023-2028)

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 8.5.3 Nanofiltration
  - 8.5.3.1 Historical Trend (2018-2022)
  - 8.5.3.2 Forecast Trend (2023-2028)
- 8.5.4 Others
- 8.6 Global PVDF Membrane Market by Application
  - 8.6.1 Filtration
    - 8.6.1.1 Historical Trend (2018-2022)
    - 8.6.1.2 Forecast Trend (2023-2028)
  - 8.6.2 Blotting
    - 8.6.2.1 Historical Trend (2018-2022)
    - 8.6.2.2 Forecast Trend (2023-2028)
  - 8.6.3 Separation
    - 8.6.3.1 Historical Trend (2018-2022)
    - 8.6.3.2 Forecast Trend (2023-2028)
  - 8.6.4 Purification
    - 8.6.4.1 Historical Trend (2018-2022)
    - 8.6.4.2 Forecast Trend (2023-2028)
  - 8.6.5 Others
- 8.7 Global PVDF Membrane Market by End Use
  - 8.7.1 Biopharmaceutical
    - 8.7.1.1 Historical Trend (2018-2022)
    - 8.7.1.2 Forecast Trend (2023-2028)
  - 8.7.2 Pharmaceutical
    - 8.7.2.1 Historical Trend (2018-2022)
    - 8.7.2.2 Forecast Trend (2023-2028)
  - 8.7.3 Food and Beverage
    - 8.7.3.1 Historical Trend (2018-2022)
    - 8.7.3.2 Forecast Trend (2023-2028)
  - 8.7.4 Others
- 8.8 Global PVDF Membrane Market by Region
  - 8.8.1 North America
    - 8.8.1.1 Historical Trend (2018-2022)
    - 8.8.1.2 Forecast Trend (2023-2028)
  - 8.8.2 Europe
    - 8.8.2.1 Historical Trend (2018-2022)
    - 8.8.2.2 Forecast Trend (2023-2028)
  - 8.8.3 Asia Pacific
    - 8.8.3.1 Historical Trend (2018-2022)
    - 8.8.3.2 Forecast Trend (2023-2028)
  - 8.8.4 Latin America
    - 8.8.4.1 Historical Trend (2018-2022)
    - 8.8.4.2 Forecast Trend (2023-2028)
  - 8.8.5 Middle East and Africa
    - 8.8.5.1 Historical Trend (2018-2022)
    - 8.8.5.2 Forecast Trend (2023-2028)
- 9 North America PVDF Membrane Market Analysis
  - 9.1 United States of America

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 9.1.1 Historical Trend (2018-2022)
  - 9.1.2 Forecast Trend (2023-2028)
- 9.2 Canada
  - 9.2.1 Historical Trend (2018-2022)
  - 9.2.2 Forecast Trend (2023-2028)
- 10 Europe PVDF Membrane Market Analysis
  - 10.1 United Kingdom
    - 10.1.1 Historical Trend (2018-2022)
    - 10.1.2 Forecast Trend (2023-2028)
  - 10.2 Germany
    - 10.2.1 Historical Trend (2018-2022)
    - 10.2.2 Forecast Trend (2023-2028)
  - 10.3 France
    - 10.3.1 Historical Trend (2018-2022)
    - 10.3.2 Forecast Trend (2023-2028)
  - 10.4 Italy
    - 10.4.1 Historical Trend (2018-2022)
    - 10.4.2 Forecast Trend (2023-2028)
  - 10.5 Others
- 11 Asia Pacific PVDF Membrane Market Analysis
  - 11.1 China
    - 11.1.1 Historical Trend (2018-2022)
    - 11.1.2 Forecast Trend (2023-2028)
  - 11.2 Japan
    - 11.2.1 Historical Trend (2018-2022)
    - 11.2.2 Forecast Trend (2023-2028)
  - 11.3 India
    - 11.3.1 Historical Trend (2018-2022)
    - 11.3.2 Forecast Trend (2023-2028)
  - 11.4 ASEAN
    - 11.4.1 Historical Trend (2018-2022)
    - 11.4.2 Forecast Trend (2023-2028)
  - 11.5 Australia
    - 11.5.1 Historical Trend (2018-2022)
    - 11.5.2 Forecast Trend (2023-2028)
  - 11.6 Others
- 12 Latin America PVDF Membrane Market Analysis
  - 12.1 Brazil
    - 12.1.1 Historical Trend (2018-2022)
    - 12.1.2 Forecast Trend (2023-2028)
  - 12.2 Argentina
    - 12.2.1 Historical Trend (2018-2022)
    - 12.2.2 Forecast Trend (2023-2028)
  - 12.3 Mexico
    - 12.3.1 Historical Trend (2018-2022)
    - 12.3.2 Forecast Trend (2023-2028)
  - 12.4 Others

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## 13 Middle East and Africa PVDF Membrane Market Analysis

### 13.1 Saudi Arabia

#### 13.1.1 Historical Trend (2018-2022)

#### 13.1.2 Forecast Trend (2023-2028)

### 13.2 United Arab Emirates

#### 13.2.1 Historical Trend (2018-2022)

#### 13.2.2 Forecast Trend (2023-2028)

### 13.3 Nigeria

#### 13.3.1 Historical Trend (2018-2022)

#### 13.3.2 Forecast Trend (2023-2028)

### 13.4 South Africa

#### 13.4.1 Historical Trend (2018-2022)

#### 13.4.2 Forecast Trend (2023-2028)

### 13.5 Others

## 14 Market Dynamics

### 14.1 SWOT Analysis

#### 14.1.1 Strengths

#### 14.1.2 Weaknesses

#### 14.1.3 Opportunities

#### 14.1.4 Threats

### 14.2 Porter's Five Forces Analysis

#### 14.2.1 Supplier's Power

#### 14.2.2 Buyer's Power

#### 14.2.3 Threat of New Entrants

#### 14.2.4 Degree of Rivalry

#### 14.2.5 Threat of Substitutes

### 14.3 Key Indicators for Demand

### 14.4 Key Indicators for Price

## 15 Competitive Landscape

### 15.1 Market Structure

### 15.2 Company Profiles

#### 15.2.1 Arkema Group

##### 15.2.1.1 Company Overview

##### 15.2.1.2 Product Portfolio

##### 15.2.1.3 Demographic Reach and Achievements

##### 15.2.1.4 Certifications

#### 15.2.2 Cobetter Filtration Equipment Co. Ltd

##### 15.2.2.1 Company Overview

##### 15.2.2.2 Product Portfolio

##### 15.2.2.3 Demographic Reach and Achievements

##### 15.2.2.4 Certifications

#### 15.2.3 Pall Corporation

##### 15.2.3.1 Company Overview

##### 15.2.3.2 Product Portfolio

##### 15.2.3.3 Demographic Reach and Achievements

##### 15.2.3.4 Certifications

#### 15.2.4 Citic Envirotech Ltd

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 15.2.4.1 Company Overview
  - 15.2.4.2 Product Portfolio
  - 15.2.4.3 Demographic Reach and Achievements
  - 15.2.4.4 Certifications
  - 15.2.5 GVS S.p.A
    - 15.2.5.1 Company Overview
    - 15.2.5.2 Product Portfolio
    - 15.2.5.3 Demographic Reach and Achievements
    - 15.2.5.4 Certifications
  - 15.2.6 Bio-Rad Laboratories, Inc.
    - 15.2.6.1 Company Overview
    - 15.2.6.2 Product Portfolio
    - 15.2.6.3 Demographic Reach and Achievements
    - 15.2.6.4 Certifications
  - 15.2.7 Thermo Fisher Scientific Inc.
    - 15.2.7.1 Company Overview
    - 15.2.7.2 Product Portfolio
    - 15.2.7.3 Demographic Reach and Achievements
    - 15.2.7.4 Certifications
  - 15.2.8 Membrane Solutions, LLC
    - 15.2.8.1 Company Overview
    - 15.2.8.2 Product Portfolio
    - 15.2.8.3 Demographic Reach and Achievements
    - 15.2.8.4 Certifications
  - 15.2.9 Toray Industries, Inc.
    - 15.2.9.1 Company Overview
    - 15.2.9.2 Product Portfolio
    - 15.2.9.3 Demographic Reach and Achievements
    - 15.2.9.4 Certifications
  - 15.2.10 Synder Filtration Inc.
    - 15.2.10.1 Company Overview
    - 15.2.10.2 Product Portfolio
    - 15.2.10.3 Demographic Reach and Achievements
    - 15.2.10.4 Certifications
  - 15.2.11 Others
- 16 Key Trends and Developments in the Market

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Global PVDF Membrane Market Report and Forecast 2023-2028

Market Report | 2023-07-11 | 185 pages | EMR Inc.

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User License	\$2999.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-18"/>
		Signature	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com