

# Global Proton Exchange Membrane (PEM) Market Research Report with Opportunities and Strategies to Boost Growth- COVID-19 Impact and Recovery

https://marketpublishers.com/r/GFB586C687C3EN.html

Date: April 2022

Pages: 122

Price: US\$ 3,500.00 (Single User License)

ID: GFB586C687C3EN

# **Abstracts**

A proton-exchange membrane, or polymer-electrolyte membrane (PEM), is a semipermeable membrane generally made from ionomers and designed to conduct protons while acting as an electronic insulator and reactant barrier, e.g. to oxygen and hydrogen gas.

Based on the Proton Exchange Membrane (PEM) market development status, competitive landscape and development model in different regions of the world, this report is dedicated to providing niche markets, potential risks and comprehensive competitive strategy analysis in different fields. From the competitive advantages of different types of products and services, the development opportunities and consumption characteristics and structure analysis of the downstream application fields are all analyzed in detail. To Boost Growth during the epidemic era, this report analyzes in detail for the potential risks and opportunities which can be focused on.

In Chapter 2.4 of the report, we share our perspectives for the impact of COVID-19 from the long and short term.

In chapter 3.4, we provide the influence of the crisis on the industry chain, especially for marketing channels.

In chapters 8-13, we update the timely industry economic revitalization plan of the country-wise government.

Key players in the global Proton Exchange Membrane (PEM) market covered in Chapter 5:

NedStack

PEMEAS USA

**DuPont Fuel Cells** 



### **NuVant Systems**

Lynntech

E-TEK Inc

Giner

Hydrogenics

Electrochem

ReliOn

Plug Power

3M

WL Gore

Demirdokum

Johnson Matthey

Vestel Elektronik

UTC Power (UTC Fuel Cells)

**Ballard Power Systems** 

Atlantic Fuel Cell

In Chapter 6, on the basis of types, the Proton Exchange Membrane (PEM) market from 2015 to 2025 is primarily split into:

Polyaromatic Polymers Membrane

Partially Fluorinated Polymers Membrane

In Chapter 7, on the basis of applications, the Proton Exchange Membrane (PEM) market from 2015 to 2025 covers:

Portable Power Supply

Power of the Vehicles

**Decentralized Power Station** 

Others

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historic and forecast (2015-2025) of the following regions are covered in Chapter 8-13:

North America (Covered in Chapter 9)

**United States** 

Canada

Mexico

Europe (Covered in Chapter 10)

Germany

UK



_				
_	ra	$\mathbf{r}$	$\sim$	$\sim$
	1 –			_

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 11)

China

Japan

South Korea

Australia

India

South America (Covered in Chapter 12)

Brazil

Argentina

Columbia

Middle East and Africa (Covered in Chapter 13)

UAE

Egypt

South Africa

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025



# **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Definition and Market Characteristics
- 1.2 Global Proton Exchange Membrane (PEM) Market Size
- 1.3 Market Segmentation
- 1.4 Global Macroeconomic Analysis
- 1.5 SWOT Analysis

### 2. MARKET DYNAMICS

- 2.1 Market Drivers
- 2.2 Market Constraints and Challenges
- 2.3 Emerging Market Trends
- 2.4 Impact of COVID-19
  - 2.4.1 Short-term Impact
  - 2.4.2 Long-term Impact

### **3 ASSOCIATED INDUSTRY ASSESSMENT**

- 3.1 Supply Chain Analysis
- 3.2 Industry Active Participants
  - 3.2.1 Suppliers of Raw Materials
  - 3.2.2 Key Distributors/Retailers
- 3.3 Alternative Analysis
- 3.4 The Impact of Covid-19 From the Perspective of Industry Chain

### **4 MARKET COMPETITIVE LANDSCAPE**

- 4.1 Industry Leading Players
- 4.2 Industry News
  - 4.2.1 Key Product Launch News
  - 4.2.2 M&A and Expansion Plans

### **5 ANALYSIS OF LEADING COMPANIES**

- 5.1 NedStack
  - 5.1.1 NedStack Company Profile



- 5.1.2 NedStack Business Overview
- 5.1.3 NedStack Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
  - 5.1.4 NedStack Proton Exchange Membrane (PEM) Products Introduction
- 5.2 PEMEAS USA
  - 5.2.1 PEMEAS USA Company Profile
  - 5.2.2 PEMEAS USA Business Overview
- 5.2.3 PEMEAS USA Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.2.4 PEMEAS USA Proton Exchange Membrane (PEM) Products Introduction
- 5.3 DuPont Fuel Cells
  - 5.3.1 DuPont Fuel Cells Company Profile
  - 5.3.2 DuPont Fuel Cells Business Overview
- 5.3.3 DuPont Fuel Cells Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.3.4 DuPont Fuel Cells Proton Exchange Membrane (PEM) Products Introduction
- 5.4 NuVant Systems
  - 5.4.1 NuVant Systems Company Profile
  - 5.4.2 NuVant Systems Business Overview
- 5.4.3 NuVant Systems Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.4.4 NuVant Systems Proton Exchange Membrane (PEM) Products Introduction 5.5 Lynntech
  - 5.5.1 Lynntech Company Profile
  - 5.5.2 Lynntech Business Overview
- 5.5.3 Lynntech Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.5.4 Lynntech Proton Exchange Membrane (PEM) Products Introduction
- 5.6 E-TEK Inc
  - 5.6.1 E-TEK Inc Company Profile
  - 5.6.2 E-TEK Inc Business Overview
- 5.6.3 E-TEK Inc Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.6.4 E-TEK Inc Proton Exchange Membrane (PEM) Products Introduction 5.7 Giner
- 5.7.1 Giner Company Profile
- 5.7.2 Giner Business Overview
- 5.7.3 Giner Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)



- 5.7.4 Giner Proton Exchange Membrane (PEM) Products Introduction
- 5.8 Hydrogenics
  - 5.8.1 Hydrogenics Company Profile
  - 5.8.2 Hydrogenics Business Overview
- 5.8.3 Hydrogenics Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.8.4 Hydrogenics Proton Exchange Membrane (PEM) Products Introduction
- 5.9 Electrochem
  - 5.9.1 Electrochem Company Profile
  - 5.9.2 Electrochem Business Overview
- 5.9.3 Electrochem Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.9.4 Electrochem Proton Exchange Membrane (PEM) Products Introduction
- 5.10 ReliOn
  - 5.10.1 ReliOn Company Profile
  - 5.10.2 ReliOn Business Overview
- 5.10.3 ReliOn Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.10.4 ReliOn Proton Exchange Membrane (PEM) Products Introduction
- 5.11 Plug Power
  - 5.11.1 Plug Power Company Profile
  - 5.11.2 Plug Power Business Overview
- 5.11.3 Plug Power Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.11.4 Plug Power Proton Exchange Membrane (PEM) Products Introduction 5.12 3M
  - 5.12.1 3M Company Profile
  - 5.12.2 3M Business Overview
- 5.12.3 3M Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
  - 5.12.4 3M Proton Exchange Membrane (PEM) Products Introduction
- 5.13 WL Gore
  - 5.13.1 WL Gore Company Profile
  - 5.13.2 WL Gore Business Overview
- 5.13.3 WL Gore Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
  - 5.13.4 WL Gore Proton Exchange Membrane (PEM) Products Introduction
- 5.14 Demirdokum
  - 5.14.1 Demirdokum Company Profile



- 5.14.2 Demirdokum Business Overview
- 5.14.3 Demirdokum Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.14.4 Demirdokum Proton Exchange Membrane (PEM) Products Introduction
- 5.15 Johnson Matthey
  - 5.15.1 Johnson Matthey Company Profile
  - 5.15.2 Johnson Matthey Business Overview
- 5.15.3 Johnson Matthey Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.15.4 Johnson Matthey Proton Exchange Membrane (PEM) Products Introduction
- 5.16 Vestel Elektronik
  - 5.16.1 Vestel Elektronik Company Profile
  - 5.16.2 Vestel Elektronik Business Overview
- 5.16.3 Vestel Elektronik Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.16.4 Vestel Elektronik Proton Exchange Membrane (PEM) Products Introduction 5.17 UTC Power (UTC Fuel Cells)
  - 5.17.1 UTC Power (UTC Fuel Cells) Company Profile
  - 5.17.2 UTC Power (UTC Fuel Cells) Business Overview
- 5.17.3 UTC Power (UTC Fuel Cells) Proton Exchange Membrane (PEM) Sales,

Revenue, Average Selling Price and Gross Margin (2015-2020)

- 5.17.4 UTC Power (UTC Fuel Cells) Proton Exchange Membrane (PEM) Products Introduction
- 5.18 Ballard Power Systems
  - 5.18.1 Ballard Power Systems Company Profile
  - 5.18.2 Ballard Power Systems Business Overview
- 5.18.3 Ballard Power Systems Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
- 5.18.4 Ballard Power Systems Proton Exchange Membrane (PEM) Products Introduction
- 5.19 Atlantic Fuel Cell
  - 5.19.1 Atlantic Fuel Cell Company Profile
  - 5.19.2 Atlantic Fuel Cell Business Overview
- 5.19.3 Atlantic Fuel Cell Proton Exchange Membrane (PEM) Sales, Revenue, Average Selling Price and Gross Margin (2015-2020)
  - 5.19.4 Atlantic Fuel Cell Proton Exchange Membrane (PEM) Products Introduction

# **6 MARKET ANALYSIS AND FORECAST, BY PRODUCT TYPES**



- 6.1 Global Proton Exchange Membrane (PEM) Sales, Revenue and Market Share by Types (2015-2020)
- 6.1.1 Global Proton Exchange Membrane (PEM) Sales and Market Share by Types (2015-2020)
- 6.1.2 Global Proton Exchange Membrane (PEM) Revenue and Market Share by Types (2015-2020)
- 6.1.3 Global Proton Exchange Membrane (PEM) Price by Types (2015-2020)
- 6.2 Global Proton Exchange Membrane (PEM) Market Forecast by Types (2020-2025)
- 6.2.1 Global Proton Exchange Membrane (PEM) Market Forecast Sales and Market Share by Types (2020-2025)
- 6.2.2 Global Proton Exchange Membrane (PEM) Market Forecast Revenue and Market Share by Types (2020-2025)
- 6.3 Global Proton Exchange Membrane (PEM) Sales, Price and Growth Rate by Types (2015-2020)
- 6.3.1 Global Proton Exchange Membrane (PEM) Sales, Price and Growth Rate of Polyaromatic Polymers Membrane
- 6.3.2 Global Proton Exchange Membrane (PEM) Sales, Price and Growth Rate of Partially Fluorinated Polymers Membrane
- 6.4 Global Proton Exchange Membrane (PEM) Market Revenue and Sales Forecast, by Types (2020-2025)
- 6.4.1 Polyaromatic Polymers Membrane Market Revenue and Sales Forecast (2020-2025)
- 6.4.2 Partially Fluorinated Polymers Membrane Market Revenue and Sales Forecast (2020-2025)

### 7 MARKET ANALYSIS AND FORECAST, BY APPLICATIONS

- 7.1 Global Proton Exchange Membrane (PEM) Sales, Revenue and Market Share by Applications (2015-2020)
- 7.1.1 Global Proton Exchange Membrane (PEM) Sales and Market Share by Applications (2015-2020)
- 7.1.2 Global Proton Exchange Membrane (PEM) Revenue and Market Share by Applications (2015-2020)
- 7.2 Global Proton Exchange Membrane (PEM) Market Forecast by Applications (2020-2025)
- 7.2.1 Global Proton Exchange Membrane (PEM) Market Forecast Sales and Market Share by Applications (2020-2025)
- 7.2.2 Global Proton Exchange Membrane (PEM) Market Forecast Revenue and Market Share by Applications (2020-2025)



- 7.3 Global Revenue, Sales and Growth Rate by Applications (2015-2020)
- 7.3.1 Global Proton Exchange Membrane (PEM) Revenue, Sales and Growth Rate of Portable Power Supply (2015-2020)
- 7.3.2 Global Proton Exchange Membrane (PEM) Revenue, Sales and Growth Rate of Power of the Vehicles (2015-2020)
- 7.3.3 Global Proton Exchange Membrane (PEM) Revenue, Sales and Growth Rate of Decentralized Power Station (2015-2020)
- 7.3.4 Global Proton Exchange Membrane (PEM) Revenue, Sales and Growth Rate of Others (2015-2020)
- 7.4 Global Proton Exchange Membrane (PEM) Market Revenue and Sales Forecast, by Applications (2020-2025)
- 7.4.1 Portable Power Supply Market Revenue and Sales Forecast (2020-2025)
- 7.4.2 Power of the Vehicles Market Revenue and Sales Forecast (2020-2025)
- 7.4.3 Decentralized Power Station Market Revenue and Sales Forecast (2020-2025)
- 7.4.4 Others Market Revenue and Sales Forecast (2020-2025)

### **8 MARKET ANALYSIS AND FORECAST, BY REGIONS**

- 8.1 Global Proton Exchange Membrane (PEM) Sales by Regions (2015-2020)
- 8.2 Global Proton Exchange Membrane (PEM) Market Revenue by Regions (2015-2020)
- 8.3 Global Proton Exchange Membrane (PEM) Market Forecast by Regions (2020-2025)

# 9 NORTH AMERICA PROTON EXCHANGE MEMBRANE (PEM) MARKET ANALYSIS

- 9.1 Market Overview and Prospect Analysis
- 9.2 North America Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)
- 9.3 North America Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)
- 9.4 North America Proton Exchange Membrane (PEM) Market Forecast
- 9.5 The Influence of COVID-19 on North America Market
- 9.6 North America Proton Exchange Membrane (PEM) Market Analysis by Country
  - 9.6.1 U.S. Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 9.6.2 Canada Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 9.6.3 Mexico Proton Exchange Membrane (PEM) Sales and Growth Rate



# 10 EUROPE PROTON EXCHANGE MEMBRANE (PEM) MARKET ANALYSIS

- 10.1 Market Overview and Prospect Analysis
- 10.2 Europe Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)
- 10.3 Europe Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)
- 10.4 Europe Proton Exchange Membrane (PEM) Market Forecast
- 10.5 The Influence of COVID-19 on Europe Market
- 10.6 Europe Proton Exchange Membrane (PEM) Market Analysis by Country
  - 10.6.1 Germany Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 10.6.2 United Kingdom Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 10.6.3 France Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 10.6.4 Italy Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 10.6.5 Spain Proton Exchange Membrane (PEM) Sales and Growth Rate
- 10.6.6 Russia Proton Exchange Membrane (PEM) Sales and Growth Rate

# 11 ASIA-PACIFIC PROTON EXCHANGE MEMBRANE (PEM) MARKET ANALYSIS

- 11.1 Market Overview and Prospect Analysis
- 11.2 Asia-Pacific Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)
- 11.3 Asia-Pacific Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)
- 11.4 Asia-Pacific Proton Exchange Membrane (PEM) Market Forecast
- 11.5 The Influence of COVID-19 on Asia Pacific Market
- 11.6 Asia-Pacific Proton Exchange Membrane (PEM) Market Analysis by Country
  - 11.6.1 China Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 11.6.2 Japan Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 11.6.3 South Korea Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 11.6.4 Australia Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 11.6.5 India Proton Exchange Membrane (PEM) Sales and Growth Rate

# 12 SOUTH AMERICA PROTON EXCHANGE MEMBRANE (PEM) MARKET ANALYSIS

- 12.1 Market Overview and Prospect Analysis
- 12.2 South America Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)



- 12.3 South America Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)
- 12.4 South America Proton Exchange Membrane (PEM) Market Forecast
- 12.5 The Influence of COVID-19 on South America Market
- 12.6 South America Proton Exchange Membrane (PEM) Market Analysis by Country
  - 12.6.1 Brazil Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 12.6.2 Argentina Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 12.6.3 Columbia Proton Exchange Membrane (PEM) Sales and Growth Rate

# 13 MIDDLE EAST AND AFRICA PROTON EXCHANGE MEMBRANE (PEM) MARKET ANALYSIS

- 13.1 Market Overview and Prospect Analysis
- 13.2 Middle East and Africa Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)
- 13.3 Middle East and Africa Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)
- 13.4 Middle East and Africa Proton Exchange Membrane (PEM) Market Forecast
- 13.5 The Influence of COVID-19 on Middle East and Africa Market
- 13.6 Middle East and Africa Proton Exchange Membrane (PEM) Market Analysis by Country
  - 13.6.1 UAE Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 13.6.2 Egypt Proton Exchange Membrane (PEM) Sales and Growth Rate
  - 13.6.3 South Africa Proton Exchange Membrane (PEM) Sales and Growth Rate

#### 14 CONCLUSIONS AND RECOMMENDATIONS

- 14.1 Key Market Findings and Prospects
- 14.2 Advice for Investors

### 15 APPENDIX

- 15.1 Methodology
- 15.2 Research Data Source



# **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Product Picture

Figure Global Proton Exchange Membrane (PEM) Market Size and Growth Rate 2015-2025

Table Proton Exchange Membrane (PEM) Key Market Segments

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) Segment by Type from 2015-2020

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) Segment by Applications from 2015-2020

Table SWOT Analysis

Figure Global COVID-19 Status

Figure Supply Chain

Table Major Players Headquarters, and Service Area of Proton Exchange Membrane (PEM)

Table Major Players Revenue in 2019

Figure Major Players Revenue Share in 2019

Table NedStack Company Profile

Table NedStack Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure NedStack Production and Growth Rate

Figure NedStack Market Revenue (\$) Market Share 2015-2020

Table PEMEAS USA Company Profile

Table PEMEAS USA Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure PEMEAS USA Production and Growth Rate

Figure PEMEAS USA Market Revenue (\$) Market Share 2015-2020

Table DuPont Fuel Cells Company Profile

Table DuPont Fuel Cells Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure DuPont Fuel Cells Production and Growth Rate

Figure DuPont Fuel Cells Market Revenue (\$) Market Share 2015-2020

Table NuVant Systems Company Profile

Table NuVant Systems Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure NuVant Systems Production and Growth Rate

Figure NuVant Systems Market Revenue (\$) Market Share 2015-2020



Table Lynntech Company Profile

Table Lynntech Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Lynntech Production and Growth Rate

Figure Lynntech Market Revenue (\$) Market Share 2015-2020

Table E-TEK Inc Company Profile

Table E-TEK Inc Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure E-TEK Inc Production and Growth Rate

Figure E-TEK Inc Market Revenue (\$) Market Share 2015-2020

Table Giner Company Profile

Table Giner Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Giner Production and Growth Rate

Figure Giner Market Revenue (\$) Market Share 2015-2020

Table Hydrogenics Company Profile

Table Hydrogenics Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Hydrogenics Production and Growth Rate

Figure Hydrogenics Market Revenue (\$) Market Share 2015-2020

Table Electrochem Company Profile

Table Electrochem Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Electrochem Production and Growth Rate

Figure Electrochem Market Revenue (\$) Market Share 2015-2020

Table ReliOn Company Profile

Table ReliOn Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure ReliOn Production and Growth Rate

Figure ReliOn Market Revenue (\$) Market Share 2015-2020

Table Plug Power Company Profile

Table Plug Power Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Plug Power Production and Growth Rate

Figure Plug Power Market Revenue (\$) Market Share 2015-2020

Table 3M Company Profile

Table 3M Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure 3M Production and Growth Rate



Figure 3M Market Revenue (\$) Market Share 2015-2020

Table WL Gore Company Profile

Table WL Gore Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure WL Gore Production and Growth Rate

Figure WL Gore Market Revenue (\$) Market Share 2015-2020

Table Demirdokum Company Profile

Table Demirdokum Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Demirdokum Production and Growth Rate

Figure Demirdokum Market Revenue (\$) Market Share 2015-2020

Table Johnson Matthey Company Profile

Table Johnson Matthey Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Johnson Matthey Production and Growth Rate

Figure Johnson Matthey Market Revenue (\$) Market Share 2015-2020

Table Vestel Elektronik Company Profile

Table Vestel Elektronik Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Vestel Elektronik Production and Growth Rate

Figure Vestel Elektronik Market Revenue (\$) Market Share 2015-2020

Table UTC Power (UTC Fuel Cells) Company Profile

Table UTC Power (UTC Fuel Cells) Sales, Revenue (US\$ Million), Average Selling

Price and Gross Margin (2015-2020)

Figure UTC Power (UTC Fuel Cells) Production and Growth Rate

Figure UTC Power (UTC Fuel Cells) Market Revenue (\$) Market Share 2015-2020

Table Ballard Power Systems Company Profile

Table Ballard Power Systems Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Ballard Power Systems Production and Growth Rate

Figure Ballard Power Systems Market Revenue (\$) Market Share 2015-2020

Table Atlantic Fuel Cell Company Profile

Table Atlantic Fuel Cell Sales, Revenue (US\$ Million), Average Selling Price and Gross Margin (2015-2020)

Figure Atlantic Fuel Cell Production and Growth Rate

Figure Atlantic Fuel Cell Market Revenue (\$) Market Share 2015-2020

Table Global Proton Exchange Membrane (PEM) Sales by Types (2015-2020)

Table Global Proton Exchange Membrane (PEM) Sales Share by Types (2015-2020)

Table Global Proton Exchange Membrane (PEM) Revenue (\$) by Types (2015-2020)



Table Global Proton Exchange Membrane (PEM) Revenue Share by Types (2015-2020)

Table Global Proton Exchange Membrane (PEM) Price (\$) by Types (2015-2020)

Table Global Proton Exchange Membrane (PEM) Market Forecast Sales by Types (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Sales Share by Types (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) by Types (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Revenue Share by Types (2020-2025)

Figure Global Polyaromatic Polymers Membrane Sales and Growth Rate (2015-2020) Figure Global Polyaromatic Polymers Membrane Price (2015-2020)

Figure Global Partially Fluorinated Polymers Membrane Sales and Growth Rate (2015-2020)

Figure Global Partially Fluorinated Polymers Membrane Price (2015-2020)

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) and Growth Rate Forecast of Polyaromatic Polymers Membrane (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate Forecast of Polyaromatic Polymers Membrane (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) and Growth Rate Forecast of Partially Fluorinated Polymers Membrane (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate Forecast of Partially Fluorinated Polymers Membrane (2020-2025)

Table Global Proton Exchange Membrane (PEM) Sales by Applications (2015-2020) Table Global Proton Exchange Membrane (PEM) Sales Share by Applications (2015-2020)

Table Global Proton Exchange Membrane (PEM) Revenue (\$) by Applications (2015-2020)

Table Global Proton Exchange Membrane (PEM) Revenue Share by Applications (2015-2020)

Table Global Proton Exchange Membrane (PEM) Market Forecast Sales by Applications (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Sales Share by Applications (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) by Applications (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Revenue Share by Applications (2020-2025)



Figure Global Portable Power Supply Sales and Growth Rate (2015-2020)

Figure Global Portable Power Supply Price (2015-2020)

Figure Global Power of the Vehicles Sales and Growth Rate (2015-2020)

Figure Global Power of the Vehicles Price (2015-2020)

Figure Global Decentralized Power Station Sales and Growth Rate (2015-2020)

Figure Global Decentralized Power Station Price (2015-2020)

Figure Global Others Sales and Growth Rate (2015-2020)

Figure Global Others Price (2015-2020)

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) and Growth Rate Forecast of Portable Power Supply (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate Forecast of Portable Power Supply (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) and Growth Rate Forecast of Power of the Vehicles (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate Forecast of Power of the Vehicles (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) and Growth Rate Forecast of Decentralized Power Station (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate Forecast of Decentralized Power Station (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Market Revenue (\$) and Growth Rate Forecast of Others (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate Forecast of Others (2020-2025)

Figure Global Proton Exchange Membrane (PEM) Sales and Growth Rate (2015-2020)

Table Global Proton Exchange Membrane (PEM) Sales by Regions (2015-2020)

Table Global Proton Exchange Membrane (PEM) Sales Market Share by Regions (2015-2020)

Figure Global Proton Exchange Membrane (PEM) Sales Market Share by Regions in 2019

Figure Global Proton Exchange Membrane (PEM) Revenue and Growth Rate (2015-2020)

Table Global Proton Exchange Membrane (PEM) Revenue by Regions (2015-2020) Table Global Proton Exchange Membrane (PEM) Revenue Market Share by Regions (2015-2020)

Figure Global Proton Exchange Membrane (PEM) Revenue Market Share by Regions in 2019

Table Global Proton Exchange Membrane (PEM) Market Forecast Sales by Regions (2020-2025)



Table Global Proton Exchange Membrane (PEM) Market Forecast Sales Share by Regions (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) by Regions (2020-2025)

Table Global Proton Exchange Membrane (PEM) Market Forecast Revenue Share by Regions (2020-2025)

Figure North America Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure North America Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)

Figure North America Proton Exchange Membrane (PEM) Market Forecast Sales (2020-2025)

Figure North America Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) (2020-2025)

Figure North America COVID-19 Status

Figure U.S. Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Canada Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Mexico Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Europe Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Europe Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)

Figure Europe Proton Exchange Membrane (PEM) Market Forecast Sales (2020-2025) Figure Europe Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) (2020-2025)

Figure Europe COVID-19 Status

Figure Germany Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure United Kingdom Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure France Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Italy Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Spain Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)



Figure Russia Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Asia-Pacific Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Asia-Pacific Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)

Figure Asia-Pacific Proton Exchange Membrane (PEM) Market Forecast Sales (2020-2025)

Figure Asia-Pacific Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) (2020-2025)

Figure Asia Pacific COVID-19 Status

Figure China Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Japan Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure South Korea Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Australia Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure India Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure South America Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure South America Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)

Figure South America Proton Exchange Membrane (PEM) Market Forecast Sales (2020-2025)

Figure South America Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) (2020-2025)

Figure Brazil Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Argentina Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Columbia Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Middle East and Africa Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Middle East and Africa Proton Exchange Membrane (PEM) Market Revenue and Growth Rate (2015-2020)



Figure Middle East and Africa Proton Exchange Membrane (PEM) Market Forecast Sales (2020-2025)

Figure Middle East and Africa Proton Exchange Membrane (PEM) Market Forecast Revenue (\$) (2020-2025)

Figure UAE Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure Egypt Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)

Figure South Africa Proton Exchange Membrane (PEM) Market Sales and Growth Rate (2015-2020)



### I would like to order

Product name: Global Proton Exchange Membrane (PEM) Market Research Report with Opportunities

and Strategies to Boost Growth- COVID-19 Impact and Recovery

Product link: https://marketpublishers.com/r/GFB586C687C3EN.html

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/GFB586C687C3EN.html">https://marketpublishers.com/r/GFB586C687C3EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



