

# Global Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market size was valued at USD 170.5 million in 2023 and is forecast to a readjusted size of USD 244.1 million by 2030 with a CAGR of 5.3% during review period.

Perfluorosulfonic Acid Membranes are developed by DuPont, is generated by free radicalinitiated copolymerization of a perfluorinated vinyl ether sulfonyl fluoride co-monomer with tetrafluoroethylene (TFE). This gives a poly(tetrafluoroethylene) backbone with perfluoroether pendant side chains terminated by sulfonic acid groups.

According to data released by the China Association of Automobile Manufacturers, in December 2022, the production and sales of hydrogen fuel cell vehicles in China was 653 and 607, respectively. In the whole year of 2022, the production and sales of hydrogen fuel cell vehicles was 3,626 and 3,367, a year-on-year increase of 105.4% and 112.8%, respectively. According to our Fuel Cell Research Center, by the end of 2022, the number of fuel cell vehicles in the world had reached 67,000 units, a year-on-year increase of 36.6%. Among them, the number of fuel cell vehicles in China was 12,682 units.

The Global Info Research report includes an overview of the development of the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell industry chain, the market status of Passenger Vehicle (Up to 20  $\mu\text{m}$ , 20-50  $\mu\text{m}$ ), Commercial Vehicle (Up to 20  $\mu\text{m}$ , 20-50  $\mu\text{m}$ ), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell.

Regionally, the report analyzes the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Sqm), revenue generated, and market share of different by Thickness (e.g., Up to 20  $\mu\text{m}$ , 20-50  $\mu\text{m}$ ).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market.

**Regional Analysis:** The report involves examining the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Perfluorosulfonic Acid (PFSA)

## Membranes for Fuel Cell:

**Company Analysis:** Report covers individual Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Vehicle, Commercial Vehicle).

**Technology Analysis:** Report covers specific technologies relevant to Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell. It assesses the current state, advancements, and potential future developments in Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market is split by Thickness and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Thickness, and by Application in terms of volume and value.

### Market segment by Thickness

Up to 20  $\mu\text{m}$

20-50  $\mu\text{m}$

Above 50  $\mu\text{m}$

## Market segment by Application

Passenger Vehicle

Commercial Vehicle

Others

## Major players covered

Gore

Chemours

Asahi Kasei

AGC

Solvay

Ballard

Fumatech BWT

Dongyue Group

Suzhou Thinkre New Material

## Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell, with price, sales, revenue and global market share of Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell from 2019 to 2024.

Chapter 3, the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Thickness and application, with sales market share and growth rate by thickness, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell market forecast, by regions, thickness and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell.

Chapter 14 and 15, to describe Perfluorosulfonic Acid (PFSA) Membranes for Fuel Cell

sales channel, distributors, customers, research findings and conclusion.

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