

2018-2023 Global Fuel Cell Membranes Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Fuel Cell Membranes market for 2018-2023.

A fuel cell is a device that generates electricity through the reverse electrolysis chemical reaction in which hydrogen and oxygen react to produce water and electricity. The fuel for fuel cells is hydrogen and oxygen; hydrogen can be a gas from water electrolysis, or produced by reforming natural gas, petroleum or methanol, while oxygen is taken in from the atmosphere. As it generates electricity, the fuel cell also produces heat, so high hopes are held for its commercialization and application in a diverse range of applications as a new highly efficient energy system.

A fuel cell consists of an electrolyte between two electrodes, and a conducting wire linking the two electrodes. Hydrogen fed to one electrode (fuel electrode) divides into hydrogen ions and electrons on the electrode. Hydrogen ions flow through the electrolyte to the other electrode, to which air is fed (air electrode). Electrons flow from the fuel electrode to the air electrode through the conducting wire linking the two electrodes. At this time, the electrical current flows in the opposite direction. At the air electrode, the hydrogen ions react with the oxygen and electrons to produce water and heat.

The fuel cell, allied with renewables, is the key to combating climate change. Fuel cell technology is the optimum option in this regard. It can be used for the stationary generation of power and heat in residential housing, in mobile applications for cars, buses and ships, and even as a provider of electricity for portable electronic devices. Fuel Cell Membranes are the core component of fuel cell stack.

The key players are Dupont (Chemours), 3M, Gore, Solvay, BWT Group, AKC, BASF,



Oceanit, Wuhan WUT, Dongyue Group and so on.

The leading companies own the advantages on better performance, more abundant product's types, better technical and impeccable after-sales service. Consequently, they take the majority of the market share of high-end market. Looking to the future years, the slow downward price trend in recent years will maintain. The industry is expected to remain innovation-led, with frequent acquisitions and strategic alliances adopted as the key strategies by the players to increase their industry presence. Significant and lasting barriers make entry into this market difficult. These barriers include, but are not limited to: (i) product development costs; (ii) capital requirements; (iii) intellectual property rights; (iv) regulatory requirement; and (v) Transitions' unfair methods of competition.

Despite the presence of competition problems, due to the global recovery trend is clear, investors are still optimistic about this area, the future will still have more new investment enter the field. Even so, the market is intensely competitive .The study group recommends the new entrants just having money but without technical advantage and upstream and downstream support do not to enter into this field.

Over the next five years, LPI(LP Information) projects that Fuel Cell Membranes will register a 17.6% CAGR in terms of revenue, reach US\$ 350 million by 2023, from US\$ 130 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Fuel Cell Membranes market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Perfluorosulfonic Acid Membranes

Others (Composite PEM, etc.)

Segmentation by application:

Stationary

Transportation

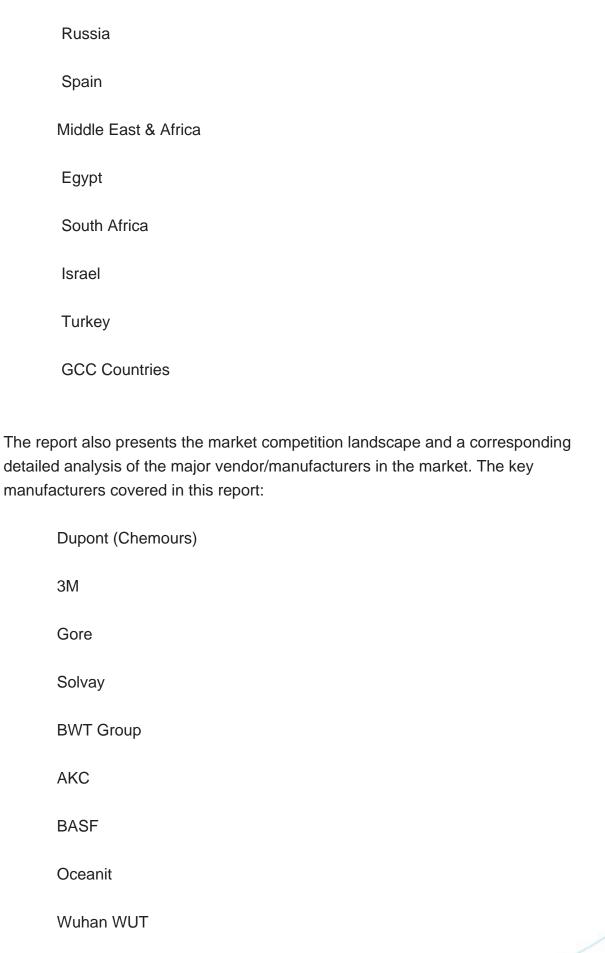


Portable

This report also splits the market by region:	
Americas	
United States	
Canada	
Mexico	
Brazil	
APAC	
China	
Japan	
Korea	
Southeast Asia	
India	
Australia	
Europe	
Germany	
France	
UK	

Italy







Dongyue Group

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Fuel Cell Membranes consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Fuel Cell Membranes market by identifying its various subsegments.

Focuses on the key global Fuel Cell Membranes manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Fuel Cell Membranes with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Fuel Cell Membranes submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.



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