

# North America Membrane Electrode Assemblies Market by Manufacturers, Countries, Type and Application, Forecast to 2022

<https://marketpublishers.com/r/NB8DE99A9ADEN.html>

Date: November 2017

Pages: 123

Price: US\$ 4,480.00 (Single User License)

ID: NB8DE99A9ADEN

## Abstracts

The Membrane Electrode Assembly (MEA) is the core component of a fuel cell that helps produce the electrochemical reaction needed to separate electrons. On the anode side of the MEA, a fuel (hydrogen, methanol etc.) diffuses through the membrane and is met on the cathode end by an oxidant (oxygen or air) which bonds with the fuel and receives the electrons that were separated from the fuel. Catalysts on each side enable reactions and the membrane allows protons to pass through while keeping the gases separate. In this way cell potential is maintained and current is drawn from the cell producing electricity.

Scope of the Report:

This report focuses on the Membrane Electrode Assemblies in North America market, especially in United States, Canada and Mexico. This report categorizes the market based on manufacturers, countries, type and application.

Market Segment by Manufacturers, this report covers

3M

Dupont (Chemours)

Gore

Johnson Matthey

Ballard

Greenerity

Wuhan WUT

IRD Fuel Cells

Giner

HyPlat

Market Segment by Countries, covering

United States

Canada

Mexico

Market Segment by Type, covers

3-layer MEA

5-layer MEA

Other

Market Segment by Applications, can be divided into

Hydrogen Fuel Cells

Methanol Fuel Cells

Others

There are 15 Chapters to deeply display the North America Membrane Electrode Assemblies market.

Chapter 1, to describe Membrane Electrode Assemblies Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of Membrane Electrode Assemblies, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 4, to show the North America market by countries, covering United States, Canada and Mexico, with sales, revenue and market share of Membrane Electrode Assemblies, for each country, from 2012 to 2017;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2012 to 2017;

Chapter 7, 8 and 9, to analyze the segment market in United States, Canada and Mexico, by manufacturers, type and application, with sales, price, revenue and market share by manufacturers, types and applications;

Chapter 10, Membrane Electrode Assemblies market forecast, by countries, type and application, with sales, price and revenue, from 2017 to 2022;

Chapter 11, to analyze the manufacturing cost, key raw materials and manufacturing process etc.

Chapter 12, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 13, to describe sales channel, distributors, traders, dealers etc.

Chapter 14 and 15, to describe Membrane Electrode Assemblies Research Findings and Conclusion, Appendix, methodology and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Membrane Electrode Assemblies Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 3-layer MEA
  - 1.2.2 5-layer MEA
  - 1.2.3 Other
- 1.3 Market Analysis by Applications
  - 1.3.1 Hydrogen Fuel Cells
  - 1.3.2 Methanol Fuel Cells
  - 1.3.3 Others
- 1.4 Market Analysis by Countries
  - 1.4.1 United States Status and Prospect (2012-2022)
  - 1.4.2 Mexico Status and Prospect (2012-2022)
  - 1.4.3 Canada Status and Prospect (2012-2022)
- 1.5 Market Dynamics
  - 1.5.1 Market Opportunities
  - 1.5.2 Market Risk
  - 1.5.3 Market Driving Force

### 2 MANUFACTURERS PROFILES

- 2.1 3M
  - 2.1.1 Profile
  - 2.1.2 Membrane Electrode Assemblies Type and Applications
    - 2.1.2.1 Type
    - 2.1.2.2 Type
  - 2.1.3 3M Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.1.4 Business Overview
  - 2.1.5 3M News
- 2.2 Dupont (Chemours)
  - 2.2.1 Profile
  - 2.2.2 Membrane Electrode Assemblies Type and Applications
    - 2.2.2.1 Type
    - 2.2.2.2 Type
  - 2.2.3 Dupont (Chemours) Membrane Electrode Assemblies Sales, Price, Revenue,

## Gross Margin and Market Share (2016-2017)

### 2.2.4 Business Overview

### 2.2.5 Dupont (Chemours) News

## 2.3 Gore

### 2.3.1 Profile

### 2.3.2 Membrane Electrode Assemblies Type and Applications

#### 2.3.2.1 Type

#### 2.3.2.2 Type

### 2.3.3 Gore Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.3.4 Business Overview

#### 2.3.5 Gore News

## 2.4 Johnson Matthey

### 2.4.1 Profile

### 2.4.2 Membrane Electrode Assemblies Type and Applications

#### 2.4.2.1 Type

#### 2.4.2.2 Type

### 2.4.3 Johnson Matthey Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.4.4 Business Overview

#### 2.4.5 Johnson Matthey News

## 2.5 Ballard

### 2.5.1 Profile

### 2.5.2 Membrane Electrode Assemblies Type and Applications

#### 2.5.2.1 Type

#### 2.5.2.2 Type

### 2.5.3 Ballard Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.5.4 Business Overview

#### 2.5.5 Ballard News

## 2.6 Greenerity

### 2.6.1 Profile

### 2.6.2 Membrane Electrode Assemblies Type and Applications

#### 2.6.2.1 Type

#### 2.6.2.2 Type

### 2.6.3 Greenerity Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.4 Business Overview

#### 2.6.5 Greenerity News

## 2.7 Wuhan WUT

### 2.7.1 Profile

### 2.7.2 Membrane Electrode Assemblies Type and Applications

#### 2.7.2.1 Type

#### 2.7.2.2 Type

### 2.7.3 Wuhan WUT Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.7.4 Business Overview

### 2.7.5 Wuhan WUT News

## 2.8 IRD Fuel Cells

### 2.8.1 Profile

### 2.8.2 Membrane Electrode Assemblies Type and Applications

#### 2.8.2.1 Type

#### 2.8.2.2 Type

### 2.8.3 IRD Fuel Cells Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.8.4 Business Overview

### 2.8.5 IRD Fuel Cells News

## 2.9 Giner

### 2.9.1 Profile

### 2.9.2 Membrane Electrode Assemblies Type and Applications

#### 2.9.2.1 Type

#### 2.9.2.2 Type

### 2.9.3 Giner Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.9.4 Business Overview

### 2.9.5 Giner News

## 2.10 HyPlat

### 2.10.1 Profile

### 2.10.2 Membrane Electrode Assemblies Type and Applications

#### 2.10.2.1 Type

#### 2.10.2.2 Type

### 2.10.3 HyPlat Membrane Electrode Assemblies Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.10.4 Business Overview

### 2.10.5 HyPlat News

## **3 NORTH AMERICA MEMBRANE ELECTRODE ASSEMBLIES MARKET COMPETITION, BY MANUFACTURER**

- 3.1 North America Membrane Electrode Assemblies Sales and Market Share by Manufacturer (2016-2017)
- 3.2 North America Membrane Electrode Assemblies Revenue and Market Share by Manufacturer (2016-2017)
- 3.3 North America Membrane Electrode Assemblies Price by Manufacturers (2016-2017)
- 3.4 Market Concentration Rate
  - 3.4.1 Top 3 Membrane Electrode Assemblies Manufacturer Market Share
  - 3.4.2 Top 5 Membrane Electrode Assemblies Manufacturer Market Share
- 3.5 Market Competition Trend

## **4 NORTH AMERICA MEMBRANE ELECTRODE ASSEMBLIES MARKET ANALYSIS BY COUNTRIES**

- 4.1 North America Membrane Electrode Assemblies Sales Market Share by Countries
- 4.2 North America Membrane Electrode Assemblies Sales by Countries (2012-2017)
- 4.3 North America Membrane Electrode Assemblies Revenue (Value) by Countries (2012-2017)

## **5 NORTH AMERICA MARKET SEGMENTATION MEMBRANE ELECTRODE ASSEMBLIES BY TYPE**

- 5.1 North America Membrane Electrode Assemblies Sales, Revenue and Market Share by Type (2012-2017)
  - 5.1.1 North America Membrane Electrode Assemblies Sales and Market Share by Type (2012-2017)
  - 5.1.2 North America Membrane Electrode Assemblies Revenue and Market Share by Type (2012-2017)
- 5.2 3-layer MEA Sales Growth and Price
  - 5.2.1 North America 3-layer MEA Sales Growth (2012-2017)
  - 5.2.2 North America 3-layer MEA Price (2012-2017)
- 5.3 5-layer MEA Sales Growth and Price
  - 5.3.1 North America 5-layer MEA Sales Growth (2012-2017)
  - 5.3.2 North America 5-layer MEA Price (2012-2017)
- 5.4 Other Sales Growth and Price
  - 5.4.1 North America Other Sales Growth (2012-2017)
  - 5.4.2 North America Other Price (2012-2017)

## **6 NORTH AMERICA MARKET SEGMENTATION MEMBRANE ELECTRODE ASSEMBLIES BY APPLICATION**

6.1 North America Membrane Electrode Assemblies Sales Market Share by Application (2012-2017)

6.2 Hydrogen Fuel Cells Sales Growth (2012-2017)

6.3 Methanol Fuel Cells Sales Growth (2012-2017)

6.4 Others Sales Growth (2012-2017)

## **7 UNITED STATES MEMBRANE ELECTRODE ASSEMBLIES SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS**

7.1 United States Membrane Electrode Assemblies Revenue, Sales and Growth Rate (2012-2017)

7.2 United States Membrane Electrode Assemblies Sales and Market Share by Type

7.3 United States Membrane Electrode Assemblies Sales by Application (2012-2017)

7.4 United States Membrane Electrode Assemblies Sales, Revenue and Market Share by Manufacturer

7.4.1 United States Membrane Electrode Assemblies Sales and Market Share by Manufacturer

7.4.2 United States Membrane Electrode Assemblies Revenue and Market Share by Manufacturer

7.5 United States Membrane Electrode Assemblies Export and Import (2012-2017)

## **8 CANADA MEMBRANE ELECTRODE ASSEMBLIES SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS**

8.1 Canada Membrane Electrode Assemblies Revenue, Sales and Growth Rate (2012-2017)

8.2 Canada Membrane Electrode Assemblies Sales and Market Share by Type

8.3 Canada Membrane Electrode Assemblies Sales by Application (2012-2017)

8.4 Canada Membrane Electrode Assemblies Sales, Revenue and Market Share by Manufacturer

8.4.1 Canada Membrane Electrode Assemblies Sales and Market Share by Manufacturer

8.4.2 Canada Membrane Electrode Assemblies Revenue and Market Share by Manufacturer

8.5 Canada Membrane Electrode Assemblies Export and Import (2012-2017)



## **9 MEXICO MEMBRANE ELECTRODE ASSEMBLIES SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS**

9.1 Mexico Membrane Electrode Assemblies Revenue, Sales and Growth Rate (2012-2017)

9.2 Mexico Membrane Electrode Assemblies Sales and Market Share by Type

9.3 Mexico Membrane Electrode Assemblies Sales by Application (2012-2017)

9.4 Mexico Membrane Electrode Assemblies Sales, Revenue and Market Share by Manufacturer

9.4.1 Mexico Membrane Electrode Assemblies Sales and Market Share by Manufacturer

9.4.2 Mexico Membrane Electrode Assemblies Revenue and Market Share by Manufacturer

9.5 Mexico Membrane Electrode Assemblies Export and Import (2012-2017)

## **10 MEMBRANE ELECTRODE ASSEMBLIES MARKET FORECAST (2017-2022)**

10.1 North America Membrane Electrode Assemblies Sales, Revenue and Growth Rate (2017-2022)

10.2 Membrane Electrode Assemblies Market Forecast by Countries (2017-2022)

10.2.1 United States Membrane Electrode Assemblies Forecast (2017-2022)

10.2.2 Canada Membrane Electrode Assemblies Forecast (2017-2022)

10.2.3 Mexico Membrane Electrode Assemblies Forecast (2017-2022)

10.3 Membrane Electrode Assemblies Market Forecast by Type (2017-2022)

10.4 Membrane Electrode Assemblies Market Forecast by Application (2017-2022)

## **11 MEMBRANE ELECTRODE ASSEMBLIES MANUFACTURING COST ANALYSIS**

11.1 Membrane Electrode Assemblies Key Raw Materials Analysis

11.1.1 Key Raw Materials

11.1.2 Price Trend of Key Raw Materials

11.1.3 Key Suppliers of Raw Materials

11.1.4 Market Concentration Rate of Raw Materials

11.2 Proportion of Manufacturing Cost Structure

11.2.1 Raw Materials

11.2.2 Labor Cost

11.2.3 Manufacturing Expenses

11.3 Manufacturing Process Analysis of Membrane Electrode Assemblies

## **12 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS**

- 12.1 Membrane Electrode Assemblies Industrial Chain Analysis
- 12.2 Upstream Raw Materials Sourcing
- 12.3 Raw Materials Sources of Membrane Electrode Assemblies Major Manufacturers in 2016
- 12.4 Downstream Buyers

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

- 13.1 Sales Channel
  - 13.1.1 Direct Marketing
  - 13.1.2 Indirect Marketing
  - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

- 15.1 Methodology
- 15.2 Analyst Introduction
- 15.3 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Membrane Electrode Assemblies Picture

Table Product Specifications of Membrane Electrode Assemblies

Figure North America Sales Market Share of Membrane Electrode Assemblies by Types in 2016

## I would like to order

Product name: North America Membrane Electrode Assemblies Market by Manufacturers, Countries, Type and Application, Forecast to 2022

Product link: <https://marketpublishers.com/r/NB8DE99A9ADEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NB8DE99A9ADEN.html>

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

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

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

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

