

Global Gas Diffusion Layers for PEMFCs Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G4DDD00C7035EN.html>

Date: June 2026

Pages: 158

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

ID: G4DDD00C7035EN

Abstracts

The global Gas Diffusion Layers for PEMFCs market size is expected to reach \$ 2533 million by 2032, rising at a market growth of 19.8% CAGR during the forecast period (2026-2032).

Gas Diffusion Layers for PEMFCs are the core functional layers in proton exchange membrane fuel cells. Located between the catalyst layer and the bipolar plates, they are responsible for uniformly distributing reactant gases, removing generated moisture, and conducting electrons and heat. GDLs are typically made from carbon fiber paper or carbon cloth base paper coated with a microporous layer (MPL) and optionally surface-treated (such as PTFE) to form the final product, which can be directly loaded into PEMFC stacks. The thickness of GDL is approximately the thickness of the base paper plus the MPL coating, with a porosity of approximately 75–80%, and it possesses good mechanical strength, chemical stability, and durability. GDLs are widely used in automotive fuel cells, stationary power generation, portable power supplies, and backup power applications, and are a key material for achieving high power density and long-life fuel cell performance.

In 2025, the global production of Gas Diffusion Layers for PEMFCs is estimated at 9.68 million square meters, with a unit price of approximately US\$57.14-142.85 per square meter, an average price of approximately US\$71.42 per square meter, and a gross profit margin of approximately 9.38%-19.74%.

The Gas Diffusion Layer (GDL) for Proton Exchange Membrane Fuel Cells (PEMFC) is a critical functional component of the fuel cell stack, and its market has been steadily expanding alongside the rapid growth of fuel cell vehicles (FCEVs), stationary power systems, portable hydrogen devices, and backup power applications. Market growth is

primarily driven by downstream adoption, policy support, hydrogen infrastructure development, and fuel cell commercialization, while supply chain reliability, material consistency, and standardization of parameters remain challenges. Technological innovation focuses on high-performance microporous layer (MPL) coatings, PTFE surface treatments, high durability, lightweight design, and high power density optimization. Regionally, the Asia-Pacific market (China, Japan, Korea) leads demand, while North America and Europe continue to grow in transportation and stationary power sectors. As fuel cell technology evolves and markets mature, GDL manufacturers are expected to compete through performance optimization, cost control, and downstream customization, leading to high-value-added products and differentiated supply chain strategies.

This report studies the global Gas Diffusion Layers for PEMFCs production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gas Diffusion Layers for PEMFCs and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gas Diffusion Layers for PEMFCs that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gas Diffusion Layers for PEMFCs total production and demand, 2021-2032, (K Sqm)

Global Gas Diffusion Layers for PEMFCs total production value, 2021-2032, (USD Million)

Global Gas Diffusion Layers for PEMFCs production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)

Global Gas Diffusion Layers for PEMFCs consumption by region & country, CAGR, 2021-2032 & (K Sqm)

U.S. VS China: Gas Diffusion Layers for PEMFCs domestic production, consumption, key domestic manufacturers and share

Global Gas Diffusion Layers for PEMFCs production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)

Global Gas Diffusion Layers for PEMFCs production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

Global Gas Diffusion Layers for PEMFCs production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global Gas Diffusion Layers for PEMFCs market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray, SGL Carbon, AvCarb, Freudenberg, JNTG, Caplinq, Mitsubishi Chemical, CeTech, Shandong Renfeng Special Materials Co., Ltd., Shanghai Legion, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gas Diffusion Layers for PEMFCs market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sq m) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Gas Diffusion Layers for PEMFCs Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gas Diffusion Layers for PEMFCs Market, Segmentation by Type:

Wet Process Carbon Paper

Dry Process Carbon Paper

Global Gas Diffusion Layers for PEMFCs Market, Segmentation by Thickness:

200–300 ?m

> 300 ?m

Global Gas Diffusion Layers for PEMFCs Market, Segmentation by Surface Treatment:

PTFE Hydrophobic

Non-Hydrophobic

Global Gas Diffusion Layers for PEMFCs Market, Segmentation by Product Form:

Sheets

Rolls

Global Gas Diffusion Layers for PEMFCs Market, Segmentation by Application:

Automotive Fuel Cells

Stationary Power Generation

Portable/Backup Power

Others

Companies Profiled:

Toray

SGL Carbon

AvCarb

Freudenberg

JNTG

Caplinq

Mitsubishi Chemical

CeTech

Shandong Renfeng Special Materials Co., Ltd.

Shanghai Legion

Shenzhen General Hydrogen Corp., Ltd.

Shanghai Tanji Industrial Group Co., Ltd.

Shanghai Hesun Electric Co., Ltd.

Li Neng New Energy Technology (Beijing) Co., Ltd.

Guoke Lingxian New Materials (Changzhou) Co., Ltd.

Shanghai Jiazi New Materials Technology Co., Ltd.

Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd.

Anhui Tianfu Environment Protection and Technological Material Co.Ltd

SPIC Hydrogen Energy Technology Development Co., Ltd.

Guangdong Guanhao High-Tech Co., Ltd.

KBC Corporation, Ltd.

Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd.

Key Questions Answered:

1. How big is the global Gas Diffusion Layers for PEMFCs market?
2. What is the demand of the global Gas Diffusion Layers for PEMFCs market?
3. What is the year over year growth of the global Gas Diffusion Layers for PEMFCs market?
4. What is the production and production value of the global Gas Diffusion Layers for PEMFCs market?
5. Who are the key producers in the global Gas Diffusion Layers for PEMFCs market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Gas Diffusion Layers for PEMFCs Introduction
- 1.2 World Gas Diffusion Layers for PEMFCs Supply & Forecast
 - 1.2.1 World Gas Diffusion Layers for PEMFCs Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Gas Diffusion Layers for PEMFCs Production (2021-2032)
 - 1.2.3 World Gas Diffusion Layers for PEMFCs Pricing Trends (2021-2032)
- 1.3 World Gas Diffusion Layers for PEMFCs Production by Region (Based on Production Site)
 - 1.3.1 World Gas Diffusion Layers for PEMFCs Production Value by Region (2021-2032)
 - 1.3.2 World Gas Diffusion Layers for PEMFCs Production by Region (2021-2032)
 - 1.3.3 World Gas Diffusion Layers for PEMFCs Average Price by Region (2021-2032)
 - 1.3.4 North America Gas Diffusion Layers for PEMFCs Production (2021-2032)
 - 1.3.5 Europe Gas Diffusion Layers for PEMFCs Production (2021-2032)
 - 1.3.6 China Gas Diffusion Layers for PEMFCs Production (2021-2032)
 - 1.3.7 Japan Gas Diffusion Layers for PEMFCs Production (2021-2032)
 - 1.3.8 India Gas Diffusion Layers for PEMFCs Production (2021-2032)
 - 1.3.9 Southeast Asia Gas Diffusion Layers for PEMFCs Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Gas Diffusion Layers for PEMFCs Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Gas Diffusion Layers for PEMFCs Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Gas Diffusion Layers for PEMFCs Demand (2021-2032)
- 2.2 World Gas Diffusion Layers for PEMFCs Consumption by Region
 - 2.2.1 World Gas Diffusion Layers for PEMFCs Consumption by Region (2021-2026)
 - 2.2.2 World Gas Diffusion Layers for PEMFCs Consumption Forecast by Region (2027-2032)
- 2.3 United States Gas Diffusion Layers for PEMFCs Consumption (2021-2032)
- 2.4 China Gas Diffusion Layers for PEMFCs Consumption (2021-2032)
- 2.5 Europe Gas Diffusion Layers for PEMFCs Consumption (2021-2032)
- 2.6 Japan Gas Diffusion Layers for PEMFCs Consumption (2021-2032)
- 2.7 South Korea Gas Diffusion Layers for PEMFCs Consumption (2021-2032)
- 2.8 ASEAN Gas Diffusion Layers for PEMFCs Consumption (2021-2032)

2.9 India Gas Diffusion Layers for PEMFCs Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Gas Diffusion Layers for PEMFCs Production Value by Manufacturer (2021-2026)

3.2 World Gas Diffusion Layers for PEMFCs Production by Manufacturer (2021-2026)

3.3 World Gas Diffusion Layers for PEMFCs Average Price by Manufacturer (2021-2026)

3.4 Gas Diffusion Layers for PEMFCs Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Gas Diffusion Layers for PEMFCs Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Gas Diffusion Layers for PEMFCs in 2025

3.5.3 Global Concentration Ratios (CR8) for Gas Diffusion Layers for PEMFCs in 2025

3.6 Gas Diffusion Layers for PEMFCs Market: Overall Company Footprint Analysis

3.6.1 Gas Diffusion Layers for PEMFCs Market: Region Footprint

3.6.2 Gas Diffusion Layers for PEMFCs Market: Company Product Type Footprint

3.6.3 Gas Diffusion Layers for PEMFCs Market: Company Product Application

Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Gas Diffusion Layers for PEMFCs Production Value Comparison

4.1.1 United States VS China: Gas Diffusion Layers for PEMFCs Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Gas Diffusion Layers for PEMFCs Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Gas Diffusion Layers for PEMFCs Production Comparison

4.2.1 United States VS China: Gas Diffusion Layers for PEMFCs Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Gas Diffusion Layers for PEMFCs Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Gas Diffusion Layers for PEMFCs Consumption Comparison

4.3.1 United States VS China: Gas Diffusion Layers for PEMFCs Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Gas Diffusion Layers for PEMFCs Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Gas Diffusion Layers for PEMFCs Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Gas Diffusion Layers for PEMFCs Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value (2021-2026)

4.4.3 United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production (2021-2026)

4.5 China Based Gas Diffusion Layers for PEMFCs Manufacturers and Market Share

4.5.1 China Based Gas Diffusion Layers for PEMFCs Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value (2021-2026)

4.5.3 China Based Manufacturers Gas Diffusion Layers for PEMFCs Production (2021-2026)

4.6 Rest of World Based Gas Diffusion Layers for PEMFCs Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Gas Diffusion Layers for PEMFCs Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Gas Diffusion Layers for PEMFCs Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Wet Process Carbon Paper

5.2.2 Dry Process Carbon Paper

5.3 Market Segment by Type

5.3.1 World Gas Diffusion Layers for PEMFCs Production by Type (2021-2032)

- 5.3.2 World Gas Diffusion Layers for PEMFCs Production Value by Type (2021-2032)
- 5.3.3 World Gas Diffusion Layers for PEMFCs Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY THICKNESS

- 6.1 World Gas Diffusion Layers for PEMFCs Market Size Overview by Thickness: 2021 VS 2025 VS 2032
- 6.2 Segment Introduction by Thickness
 - 6.2.1 6.2.2 200–300 ?m
 - 6.2.3 > 300 ?m
- 6.3 Market Segment by Thickness
 - 6.3.1 World Gas Diffusion Layers for PEMFCs Production by Thickness (2021-2032)
 - 6.3.2 World Gas Diffusion Layers for PEMFCs Production Value by Thickness (2021-2032)
 - 6.3.3 World Gas Diffusion Layers for PEMFCs Average Price by Thickness (2021-2032)

7 MARKET ANALYSIS BY SURFACE TREATMENT

- 7.1 World Gas Diffusion Layers for PEMFCs Market Size Overview by Surface Treatment: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Surface Treatment
 - 7.2.1 PTFE Hydrophobic
 - 7.2.2 Non-Hydrophobic
- 7.3 Market Segment by Surface Treatment
 - 7.3.1 World Gas Diffusion Layers for PEMFCs Production by Surface Treatment (2021-2032)
 - 7.3.2 World Gas Diffusion Layers for PEMFCs Production Value by Surface Treatment (2021-2032)
 - 7.3.3 World Gas Diffusion Layers for PEMFCs Average Price by Surface Treatment (2021-2032)

8 MARKET ANALYSIS BY PRODUCT FORM

- 8.1 World Gas Diffusion Layers for PEMFCs Market Size Overview by Product Form: 2021 VS 2025 VS 2032
- 8.2 Segment Introduction by Product Form
 - 8.2.1 Sheets
 - 8.2.2 Rolls

8.3 Market Segment by Product Form

- 8.3.1 World Gas Diffusion Layers for PEMFCs Production by Product Form (2021-2032)
- 8.3.2 World Gas Diffusion Layers for PEMFCs Production Value by Product Form (2021-2032)
- 8.3.3 World Gas Diffusion Layers for PEMFCs Average Price by Product Form (2021-2032)

9 MARKET ANALYSIS BY APPLICATION

- 9.1 World Gas Diffusion Layers for PEMFCs Market Size Overview by Application: 2021 VS 2025 VS 2032
- 9.2 Segment Introduction by Application
 - 9.2.1 Automotive Fuel Cells
 - 9.2.2 Stationary Power Generation
 - 9.2.3 Portable/Backup Power
 - 9.2.4 Others
- 9.3 Market Segment by Application
 - 9.3.1 World Gas Diffusion Layers for PEMFCs Production by Application (2021-2032)
 - 9.3.2 World Gas Diffusion Layers for PEMFCs Production Value by Application (2021-2032)
 - 9.3.3 World Gas Diffusion Layers for PEMFCs Average Price by Application (2021-2032)

10 COMPANY PROFILES

- 10.1 Toray
 - 10.1.1 Toray Details
 - 10.1.2 Toray Major Business
 - 10.1.3 Toray Gas Diffusion Layers for PEMFCs Product and Services
 - 10.1.4 Toray Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.1.5 Toray Recent Developments/Updates
 - 10.1.6 Toray Competitive Strengths & Weaknesses
- 10.2 SGL Carbon
 - 10.2.1 SGL Carbon Details
 - 10.2.2 SGL Carbon Major Business
 - 10.2.3 SGL Carbon Gas Diffusion Layers for PEMFCs Product and Services
 - 10.2.4 SGL Carbon Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross

Margin and Market Share (2021-2026)

10.2.5 SGL Carbon Recent Developments/Updates

10.2.6 SGL Carbon Competitive Strengths & Weaknesses

10.3 AvCarb

10.3.1 AvCarb Details

10.3.2 AvCarb Major Business

10.3.3 AvCarb Gas Diffusion Layers for PEMFCs Product and Services

10.3.4 AvCarb Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross

Margin and Market Share (2021-2026)

10.3.5 AvCarb Recent Developments/Updates

10.3.6 AvCarb Competitive Strengths & Weaknesses

10.4 Freudenberg

10.4.1 Freudenberg Details

10.4.2 Freudenberg Major Business

10.4.3 Freudenberg Gas Diffusion Layers for PEMFCs Product and Services

10.4.4 Freudenberg Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross

Margin and Market Share (2021-2026)

10.4.5 Freudenberg Recent Developments/Updates

10.4.6 Freudenberg Competitive Strengths & Weaknesses

10.5 JNTG

10.5.1 JNTG Details

10.5.2 JNTG Major Business

10.5.3 JNTG Gas Diffusion Layers for PEMFCs Product and Services

10.5.4 JNTG Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross

Margin and Market Share (2021-2026)

10.5.5 JNTG Recent Developments/Updates

10.5.6 JNTG Competitive Strengths & Weaknesses

10.6 Caplinq

10.6.1 Caplinq Details

10.6.2 Caplinq Major Business

10.6.3 Caplinq Gas Diffusion Layers for PEMFCs Product and Services

10.6.4 Caplinq Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross

Margin and Market Share (2021-2026)

10.6.5 Caplinq Recent Developments/Updates

10.6.6 Caplinq Competitive Strengths & Weaknesses

10.7 Mitsubishi Chemical

10.7.1 Mitsubishi Chemical Details

10.7.2 Mitsubishi Chemical Major Business

10.7.3 Mitsubishi Chemical Gas Diffusion Layers for PEMFCs Product and Services

10.7.4 Mitsubishi Chemical Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.7.5 Mitsubishi Chemical Recent Developments/Updates

10.7.6 Mitsubishi Chemical Competitive Strengths & Weaknesses

10.8 CeTech

10.8.1 CeTech Details

10.8.2 CeTech Major Business

10.8.3 CeTech Gas Diffusion Layers for PEMFCs Product and Services

10.8.4 CeTech Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.8.5 CeTech Recent Developments/Updates

10.8.6 CeTech Competitive Strengths & Weaknesses

10.9 Shandong Renfeng Special Materials Co., Ltd.

10.9.1 Shandong Renfeng Special Materials Co., Ltd. Details

10.9.2 Shandong Renfeng Special Materials Co., Ltd. Major Business

10.9.3 Shandong Renfeng Special Materials Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.9.4 Shandong Renfeng Special Materials Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.9.5 Shandong Renfeng Special Materials Co., Ltd. Recent Developments/Updates

10.9.6 Shandong Renfeng Special Materials Co., Ltd. Competitive Strengths & Weaknesses

10.10 Shanghai Legion

10.10.1 Shanghai Legion Details

10.10.2 Shanghai Legion Major Business

10.10.3 Shanghai Legion Gas Diffusion Layers for PEMFCs Product and Services

10.10.4 Shanghai Legion Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.10.5 Shanghai Legion Recent Developments/Updates

10.10.6 Shanghai Legion Competitive Strengths & Weaknesses

10.11 Shenzhen General Hydrogen Corp., Ltd.

10.11.1 Shenzhen General Hydrogen Corp., Ltd. Details

10.11.2 Shenzhen General Hydrogen Corp., Ltd. Major Business

10.11.3 Shenzhen General Hydrogen Corp., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.11.4 Shenzhen General Hydrogen Corp., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.11.5 Shenzhen General Hydrogen Corp., Ltd. Recent Developments/Updates

10.11.6 Shenzhen General Hydrogen Corp., Ltd. Competitive Strengths &

Weaknesses

10.12 Shanghai Tanji Industrial Group Co., Ltd.

10.12.1 Shanghai Tanji Industrial Group Co., Ltd. Details

10.12.2 Shanghai Tanji Industrial Group Co., Ltd. Major Business

10.12.3 Shanghai Tanji Industrial Group Co., Ltd. Gas Diffusion Layers for PEMFCs

Product and Services

10.12.4 Shanghai Tanji Industrial Group Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.12.5 Shanghai Tanji Industrial Group Co., Ltd. Recent Developments/Updates

10.12.6 Shanghai Tanji Industrial Group Co., Ltd. Competitive Strengths &

Weaknesses

10.13 Shanghai Hesun Electric Co., Ltd.

10.13.1 Shanghai Hesun Electric Co., Ltd. Details

10.13.2 Shanghai Hesun Electric Co., Ltd. Major Business

10.13.3 Shanghai Hesun Electric Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.13.4 Shanghai Hesun Electric Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.13.5 Shanghai Hesun Electric Co., Ltd. Recent Developments/Updates

10.13.6 Shanghai Hesun Electric Co., Ltd. Competitive Strengths & Weaknesses

10.14 Li Neng New Energy Technology (Beijing) Co., Ltd.

10.14.1 Li Neng New Energy Technology (Beijing) Co., Ltd. Details

10.14.2 Li Neng New Energy Technology (Beijing) Co., Ltd. Major Business

10.14.3 Li Neng New Energy Technology (Beijing) Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.14.4 Li Neng New Energy Technology (Beijing) Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.14.5 Li Neng New Energy Technology (Beijing) Co., Ltd. Recent Developments/Updates

10.14.6 Li Neng New Energy Technology (Beijing) Co., Ltd. Competitive Strengths & Weaknesses

10.15 Guoke Lingxian New Materials (Changzhou) Co., Ltd.

10.15.1 Guoke Lingxian New Materials (Changzhou) Co., Ltd. Details

10.15.2 Guoke Lingxian New Materials (Changzhou) Co., Ltd. Major Business

10.15.3 Guoke Lingxian New Materials (Changzhou) Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.15.4 Guoke Lingxian New Materials (Changzhou) Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.15.5 Guoke Lingxian New Materials (Changzhou) Co., Ltd. Recent

Developments/Updates

10.15.6 Guoke Lingxian New Materials (Changzhou) Co., Ltd. Competitive Strengths & Weaknesses

10.16 Shanghai Jiazi New Materials Technology Co., Ltd.

10.16.1 Shanghai Jiazi New Materials Technology Co., Ltd. Details

10.16.2 Shanghai Jiazi New Materials Technology Co., Ltd. Major Business

10.16.3 Shanghai Jiazi New Materials Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.16.4 Shanghai Jiazi New Materials Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.16.5 Shanghai Jiazi New Materials Technology Co., Ltd. Recent

Developments/Updates

10.16.6 Shanghai Jiazi New Materials Technology Co., Ltd. Competitive Strengths & Weaknesses

10.17 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd.

10.17.1 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Details

10.17.2 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Major Business

10.17.3 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

10.17.4 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.17.5 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Recent Developments/Updates

10.17.6 Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Competitive Strengths & Weaknesses

10.18 Anhui Tianfu Environment Protection and Technological Material Co.Ltd

10.18.1 Anhui Tianfu Environment Protection and Technological Material Co.Ltd Details

10.18.2 Anhui Tianfu Environment Protection and Technological Material Co.Ltd Major Business

10.18.3 Anhui Tianfu Environment Protection and Technological Material Co.Ltd Gas Diffusion Layers for PEMFCs Product and Services

10.18.4 Anhui Tianfu Environment Protection and Technological Material Co.Ltd Gas Diffusion Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.18.5 Anhui Tianfu Environment Protection and Technological Material Co.Ltd Recent Developments/Updates

10.18.6 Anhui Tianfu Environment Protection and Technological Material Co.Ltd
Competitive Strengths & Weaknesses

10.19 SPIC Hydrogen Energy Technology Development Co., Ltd.

10.19.1 SPIC Hydrogen Energy Technology Development Co., Ltd. Details

10.19.2 SPIC Hydrogen Energy Technology Development Co., Ltd. Major Business

10.19.3 SPIC Hydrogen Energy Technology Development Co., Ltd. Gas Diffusion
Layers for PEMFCs Product and Services

10.19.4 SPIC Hydrogen Energy Technology Development Co., Ltd. Gas Diffusion
Layers for PEMFCs Production, Price, Value, Gross Margin and Market Share
(2021-2026)

10.19.5 SPIC Hydrogen Energy Technology Development Co., Ltd. Recent
Developments/Updates

10.19.6 SPIC Hydrogen Energy Technology Development Co., Ltd. Competitive
Strengths & Weaknesses

10.20 Guangdong Guanhao High-Tech Co., Ltd.

10.20.1 Guangdong Guanhao High-Tech Co., Ltd. Details

10.20.2 Guangdong Guanhao High-Tech Co., Ltd. Major Business

10.20.3 Guangdong Guanhao High-Tech Co., Ltd. Gas Diffusion Layers for PEMFCs
Product and Services

10.20.4 Guangdong Guanhao High-Tech Co., Ltd. Gas Diffusion Layers for PEMFCs
Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.20.5 Guangdong Guanhao High-Tech Co., Ltd. Recent Developments/Updates

10.20.6 Guangdong Guanhao High-Tech Co., Ltd. Competitive Strengths &
Weaknesses

10.21 KBC Corporation, Ltd.

10.21.1 KBC Corporation, Ltd. Details

10.21.2 KBC Corporation, Ltd. Major Business

10.21.3 KBC Corporation, Ltd. Gas Diffusion Layers for PEMFCs Product and
Services

10.21.4 KBC Corporation, Ltd. Gas Diffusion Layers for PEMFCs Production, Price,
Value, Gross Margin and Market Share (2021-2026)

10.21.5 KBC Corporation, Ltd. Recent Developments/Updates

10.21.6 KBC Corporation, Ltd. Competitive Strengths & Weaknesses

10.22 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd.

10.22.1 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Details

10.22.2 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Major Business

10.22.3 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Gas Diffusion Layers
for PEMFCs Product and Services

10.22.4 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Gas Diffusion Layers

for PEMFCs Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.22.5 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Recent Developments/Updates

10.22.6 Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Competitive Strengths & Weaknesses

11 INDUSTRY CHAIN ANALYSIS

11.1 Gas Diffusion Layers for PEMFCs Industry Chain

11.2 Gas Diffusion Layers for PEMFCs Upstream Analysis

11.2.1 Gas Diffusion Layers for PEMFCs Core Raw Materials

11.2.2 Main Manufacturers of Gas Diffusion Layers for PEMFCs Core Raw Materials

11.3 Midstream Analysis

11.4 Downstream Analysis

11.5 Gas Diffusion Layers for PEMFCs Production Mode

11.6 Gas Diffusion Layers for PEMFCs Procurement Model

11.7 Gas Diffusion Layers for PEMFCs Industry Sales Model and Sales Channels

11.7.1 Gas Diffusion Layers for PEMFCs Sales Model

11.7.2 Gas Diffusion Layers for PEMFCs Typical Distributors

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

13.1 Methodology

13.2 Research Process and Data Source

13.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Gas Diffusion Layers for PEMFCs Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Gas Diffusion Layers for PEMFCs Production Value by Region (2021-2026) & (USD Million)

Table 3. World Gas Diffusion Layers for PEMFCs Production Value by Region (2027-2032) & (USD Million)

Table 4. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Region (2021-2026)

Table 5. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Region (2027-2032)

Table 6. World Gas Diffusion Layers for PEMFCs Production by Region (2021-2026) & (K Sqm)

Table 7. World Gas Diffusion Layers for PEMFCs Production by Region (2027-2032) & (K Sqm)

Table 8. World Gas Diffusion Layers for PEMFCs Production Market Share by Region (2021-2026)

Table 9. World Gas Diffusion Layers for PEMFCs Production Market Share by Region (2027-2032)

Table 10. World Gas Diffusion Layers for PEMFCs Average Price by Region (2021-2026) & (US\$/Sq m)

Table 11. World Gas Diffusion Layers for PEMFCs Average Price by Region (2027-2032) & (US\$/Sq m)

Table 12. Gas Diffusion Layers for PEMFCs Major Market Trends

Table 13. World Gas Diffusion Layers for PEMFCs Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Sqm)

Table 14. World Gas Diffusion Layers for PEMFCs Consumption by Region (2021-2026) & (K Sqm)

Table 15. World Gas Diffusion Layers for PEMFCs Consumption Forecast by Region (2027-2032) & (K Sqm)

Table 16. World Gas Diffusion Layers for PEMFCs Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Gas Diffusion Layers for PEMFCs Producers in 2025

Table 18. World Gas Diffusion Layers for PEMFCs Production by Manufacturer (2021-2026) & (K Sqm)

Table 19. Production Market Share of Key Gas Diffusion Layers for PEMFCs Producers in 2025

Table 20. World Gas Diffusion Layers for PEMFCs Average Price by Manufacturer (2021-2026) & (US\$/Sq m)

Table 21. Global Gas Diffusion Layers for PEMFCs Company Evaluation Quadrant

Table 22. World Gas Diffusion Layers for PEMFCs Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Gas Diffusion Layers for PEMFCs Production Site of Key Manufacturer

Table 24. Gas Diffusion Layers for PEMFCs Market: Company Product Type Footprint

Table 25. Gas Diffusion Layers for PEMFCs Market: Company Product Application Footprint

Table 26. Gas Diffusion Layers for PEMFCs Competitive Factors

Table 27. Gas Diffusion Layers for PEMFCs New Entrant and Capacity Expansion Plans

Table 28. Gas Diffusion Layers for PEMFCs Mergers & Acquisitions Activity

Table 29. United States VS China Gas Diffusion Layers for PEMFCs Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Gas Diffusion Layers for PEMFCs Production Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 31. United States VS China Gas Diffusion Layers for PEMFCs Consumption Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 32. United States Based Gas Diffusion Layers for PEMFCs Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production (2021-2026) & (K Sqm)

Table 36. United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production Market Share (2021-2026)

Table 37. China Based Gas Diffusion Layers for PEMFCs Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Gas Diffusion Layers for PEMFCs Production,

(2021-2026) & (K Sqm)

Table 41. China Based Manufacturers Gas Diffusion Layers for PEMFCs Production Market Share (2021-2026)

Table 42. Rest of World Based Gas Diffusion Layers for PEMFCs Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production, (2021-2026) & (K Sqm)

Table 46. Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production Market Share (2021-2026)

Table 47. World Gas Diffusion Layers for PEMFCs Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Gas Diffusion Layers for PEMFCs Production by Type (2021-2026) & (K Sqm)

Table 49. World Gas Diffusion Layers for PEMFCs Production by Type (2027-2032) & (K Sqm)

Table 50. World Gas Diffusion Layers for PEMFCs Production Value by Type (2021-2026) & (USD Million)

Table 51. World Gas Diffusion Layers for PEMFCs Production Value by Type (2027-2032) & (USD Million)

Table 52. World Gas Diffusion Layers for PEMFCs Average Price by Type (2021-2026) & (US\$/Sq m)

Table 53. World Gas Diffusion Layers for PEMFCs Average Price by Type (2027-2032) & (US\$/Sq m)

Table 54. World Gas Diffusion Layers for PEMFCs Production Value by Thickness, (USD Million), 2021 & 2025 & 2032

Table 55. World Gas Diffusion Layers for PEMFCs Production by Thickness (2021-2026) & (K Sqm)

Table 56. World Gas Diffusion Layers for PEMFCs Production by Thickness (2027-2032) & (K Sqm)

Table 57. World Gas Diffusion Layers for PEMFCs Production Value by Thickness (2021-2026) & (USD Million)

Table 58. World Gas Diffusion Layers for PEMFCs Production Value by Thickness (2027-2032) & (USD Million)

Table 59. World Gas Diffusion Layers for PEMFCs Average Price by Thickness (2021-2026) & (US\$/Sq m)

Table 60. World Gas Diffusion Layers for PEMFCs Average Price by Thickness (2027-2032) & (US\$/Sq m)

Table 61. World Gas Diffusion Layers for PEMFCs Production Value by Surface Treatment, (USD Million), 2021 & 2025 & 2032

Table 62. World Gas Diffusion Layers for PEMFCs Production by Surface Treatment (2021-2026) & (K Sqm)

Table 63. World Gas Diffusion Layers for PEMFCs Production by Surface Treatment (2027-2032) & (K Sqm)

Table 64. World Gas Diffusion Layers for PEMFCs Production Value by Surface Treatment (2021-2026) & (USD Million)

Table 65. World Gas Diffusion Layers for PEMFCs Production Value by Surface Treatment (2027-2032) & (USD Million)

Table 66. World Gas Diffusion Layers for PEMFCs Average Price by Surface Treatment (2021-2026) & (US\$/Sq m)

Table 67. World Gas Diffusion Layers for PEMFCs Average Price by Surface Treatment (2027-2032) & (US\$/Sq m)

Table 68. World Gas Diffusion Layers for PEMFCs Production Value by Product Form, (USD Million), 2021 & 2025 & 2032

Table 69. World Gas Diffusion Layers for PEMFCs Production by Product Form (2021-2026) & (K Sqm)

Table 70. World Gas Diffusion Layers for PEMFCs Production by Product Form (2027-2032) & (K Sqm)

Table 71. World Gas Diffusion Layers for PEMFCs Production Value by Product Form (2021-2026) & (USD Million)

Table 72. World Gas Diffusion Layers for PEMFCs Production Value by Product Form (2027-2032) & (USD Million)

Table 73. World Gas Diffusion Layers for PEMFCs Average Price by Product Form (2021-2026) & (US\$/Sq m)

Table 74. World Gas Diffusion Layers for PEMFCs Average Price by Product Form (2027-2032) & (US\$/Sq m)

Table 75. World Gas Diffusion Layers for PEMFCs Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 76. World Gas Diffusion Layers for PEMFCs Production by Application (2021-2026) & (K Sqm)

Table 77. World Gas Diffusion Layers for PEMFCs Production by Application (2027-2032) & (K Sqm)

Table 78. World Gas Diffusion Layers for PEMFCs Production Value by Application (2021-2026) & (USD Million)

Table 79. World Gas Diffusion Layers for PEMFCs Production Value by Application

(2027-2032) & (USD Million)

Table 80. World Gas Diffusion Layers for PEMFCs Average Price by Application (2021-2026) & (US\$/Sq m)

Table 81. World Gas Diffusion Layers for PEMFCs Average Price by Application (2027-2032) & (US\$/Sq m)

Table 82. Toray Basic Information, Manufacturing Base and Competitors

Table 83. Toray Major Business

Table 84. Toray Gas Diffusion Layers for PEMFCs Product and Services

Table 85. Toray Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 86. Toray Recent Developments/Updates

Table 87. Toray Competitive Strengths & Weaknesses

Table 88. SGL Carbon Basic Information, Manufacturing Base and Competitors

Table 89. SGL Carbon Major Business

Table 90. SGL Carbon Gas Diffusion Layers for PEMFCs Product and Services

Table 91. SGL Carbon Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 92. SGL Carbon Recent Developments/Updates

Table 93. SGL Carbon Competitive Strengths & Weaknesses

Table 94. AvCarb Basic Information, Manufacturing Base and Competitors

Table 95. AvCarb Major Business

Table 96. AvCarb Gas Diffusion Layers for PEMFCs Product and Services

Table 97. AvCarb Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. AvCarb Recent Developments/Updates

Table 99. AvCarb Competitive Strengths & Weaknesses

Table 100. Freudenberg Basic Information, Manufacturing Base and Competitors

Table 101. Freudenberg Major Business

Table 102. Freudenberg Gas Diffusion Layers for PEMFCs Product and Services

Table 103. Freudenberg Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 104. Freudenberg Recent Developments/Updates

Table 105. Freudenberg Competitive Strengths & Weaknesses

Table 106. JNTG Basic Information, Manufacturing Base and Competitors

Table 107. JNTG Major Business

Table 108. JNTG Gas Diffusion Layers for PEMFCs Product and Services

Table 109. JNTG Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq

m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 110. JNTG Recent Developments/Updates

Table 111. JNTG Competitive Strengths & Weaknesses

Table 112. Caplinq Basic Information, Manufacturing Base and Competitors

Table 113. Caplinq Major Business

Table 114. Caplinq Gas Diffusion Layers for PEMFCs Product and Services

Table 115. Caplinq Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 116. Caplinq Recent Developments/Updates

Table 117. Caplinq Competitive Strengths & Weaknesses

Table 118. Mitsubishi Chemical Basic Information, Manufacturing Base and Competitors

Table 119. Mitsubishi Chemical Major Business

Table 120. Mitsubishi Chemical Gas Diffusion Layers for PEMFCs Product and Services

Table 121. Mitsubishi Chemical Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 122. Mitsubishi Chemical Recent Developments/Updates

Table 123. Mitsubishi Chemical Competitive Strengths & Weaknesses

Table 124. CeTech Basic Information, Manufacturing Base and Competitors

Table 125. CeTech Major Business

Table 126. CeTech Gas Diffusion Layers for PEMFCs Product and Services

Table 127. CeTech Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 128. CeTech Recent Developments/Updates

Table 129. CeTech Competitive Strengths & Weaknesses

Table 130. Shandong Renfeng Special Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 131. Shandong Renfeng Special Materials Co., Ltd. Major Business

Table 132. Shandong Renfeng Special Materials Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 133. Shandong Renfeng Special Materials Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 134. Shandong Renfeng Special Materials Co., Ltd. Recent Developments/Updates

Table 135. Shandong Renfeng Special Materials Co., Ltd. Competitive Strengths & Weaknesses

Table 136. Shanghai Legion Basic Information, Manufacturing Base and Competitors

Table 137. Shanghai Legion Major Business

Table 138. Shanghai Legion Gas Diffusion Layers for PEMFCs Product and Services

Table 139. Shanghai Legion Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 140. Shanghai Legion Recent Developments/Updates

Table 141. Shanghai Legion Competitive Strengths & Weaknesses

Table 142. Shenzhen General Hydrogen Corp., Ltd. Basic Information, Manufacturing Base and Competitors

Table 143. Shenzhen General Hydrogen Corp., Ltd. Major Business

Table 144. Shenzhen General Hydrogen Corp., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 145. Shenzhen General Hydrogen Corp., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 146. Shenzhen General Hydrogen Corp., Ltd. Recent Developments/Updates

Table 147. Shenzhen General Hydrogen Corp., Ltd. Competitive Strengths & Weaknesses

Table 148. Shanghai Tanji Industrial Group Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 149. Shanghai Tanji Industrial Group Co., Ltd. Major Business

Table 150. Shanghai Tanji Industrial Group Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 151. Shanghai Tanji Industrial Group Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 152. Shanghai Tanji Industrial Group Co., Ltd. Recent Developments/Updates

Table 153. Shanghai Tanji Industrial Group Co., Ltd. Competitive Strengths & Weaknesses

Table 154. Shanghai Hesens Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 155. Shanghai Hesens Electric Co., Ltd. Major Business

Table 156. Shanghai Hesens Electric Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 157. Shanghai Hesens Electric Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 158. Shanghai Hesens Electric Co., Ltd. Recent Developments/Updates

Table 159. Shanghai Hesen Electric Co., Ltd. Competitive Strengths & Weaknesses

Table 160. Li Neng New Energy Technology (Beijing) Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 161. Li Neng New Energy Technology (Beijing) Co., Ltd. Major Business

Table 162. Li Neng New Energy Technology (Beijing) Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 163. Li Neng New Energy Technology (Beijing) Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 164. Li Neng New Energy Technology (Beijing) Co., Ltd. Recent Developments/Updates

Table 165. Li Neng New Energy Technology (Beijing) Co., Ltd. Competitive Strengths & Weaknesses

Table 166. Guoke Lingxian New Materials (Changzhou) Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 167. Guoke Lingxian New Materials (Changzhou) Co., Ltd. Major Business

Table 168. Guoke Lingxian New Materials (Changzhou) Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 169. Guoke Lingxian New Materials (Changzhou) Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 170. Guoke Lingxian New Materials (Changzhou) Co., Ltd. Recent Developments/Updates

Table 171. Guoke Lingxian New Materials (Changzhou) Co., Ltd. Competitive Strengths & Weaknesses

Table 172. Shanghai Jiazi New Materials Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 173. Shanghai Jiazi New Materials Technology Co., Ltd. Major Business

Table 174. Shanghai Jiazi New Materials Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 175. Shanghai Jiazi New Materials Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 176. Shanghai Jiazi New Materials Technology Co., Ltd. Recent Developments/Updates

Table 177. Shanghai Jiazi New Materials Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 178. Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 179. Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Major Business

Table 180. Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 181. Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 182. Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Recent Developments/Updates

Table 183. Suzhou Tianshang Anneng Carbon Material Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 184. Anhui Tianfu Environment Protection and Technological Material Co.Ltd Basic Information, Manufacturing Base and Competitors

Table 185. Anhui Tianfu Environment Protection and Technological Material Co.Ltd Major Business

Table 186. Anhui Tianfu Environment Protection and Technological Material Co.Ltd Gas Diffusion Layers for PEMFCs Product and Services

Table 187. Anhui Tianfu Environment Protection and Technological Material Co.Ltd Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 188. Anhui Tianfu Environment Protection and Technological Material Co.Ltd Recent Developments/Updates

Table 189. Anhui Tianfu Environment Protection and Technological Material Co.Ltd Competitive Strengths & Weaknesses

Table 190. SPIC Hydrogen Energy Technology Development Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 191. SPIC Hydrogen Energy Technology Development Co., Ltd. Major Business

Table 192. SPIC Hydrogen Energy Technology Development Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 193. SPIC Hydrogen Energy Technology Development Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 194. SPIC Hydrogen Energy Technology Development Co., Ltd. Recent Developments/Updates

Table 195. SPIC Hydrogen Energy Technology Development Co., Ltd. Competitive Strengths & Weaknesses

Table 196. Guangdong Guanhao High-Tech Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 197. Guangdong Guanhao High-Tech Co., Ltd. Major Business

Table 198. Guangdong Guanhao High-Tech Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 199. Guangdong Guanhao High-Tech Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 200. Guangdong Guanhao High-Tech Co., Ltd. Recent Developments/Updates

Table 201. Guangdong Guanhao High-Tech Co., Ltd. Competitive Strengths & Weaknesses

Table 202. KBC Corporation, Ltd. Basic Information, Manufacturing Base and Competitors

Table 203. KBC Corporation, Ltd. Major Business

Table 204. KBC Corporation, Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 205. KBC Corporation, Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 206. KBC Corporation, Ltd. Recent Developments/Updates

Table 207. KBC Corporation, Ltd. Competitive Strengths & Weaknesses

Table 208. Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 209. Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Major Business

Table 210. Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Product and Services

Table 211. Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Gas Diffusion Layers for PEMFCs Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 212. Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Recent Developments/Updates

Table 213. Jiangsu Tanfeng Hydrogen Energy Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 214. Global Key Players of Gas Diffusion Layers for PEMFCs Upstream (Raw Materials)

Table 215. Global Gas Diffusion Layers for PEMFCs Typical Customers

Table 216. Gas Diffusion Layers for PEMFCs Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Gas Diffusion Layers for PEMFCs Picture

Figure 2. World Gas Diffusion Layers for PEMFCs Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Gas Diffusion Layers for PEMFCs Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 5. World Gas Diffusion Layers for PEMFCs Average Price (2021-2032) & (US\$/Sq m)

Figure 6. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Region (2021-2032)

Figure 7. World Gas Diffusion Layers for PEMFCs Production Market Share by Region (2021-2032)

Figure 8. North America Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 9. Europe Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 10. China Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 11. Japan Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 12. India Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 13. Southeast Asia Gas Diffusion Layers for PEMFCs Production (2021-2032) & (K Sqm)

Figure 14. Gas Diffusion Layers for PEMFCs Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 17. World Gas Diffusion Layers for PEMFCs Consumption Market Share by Region (2021-2032)

Figure 18. United States Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 19. China Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 20. Europe Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 21. Japan Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 22. South Korea Gas Diffusion Layers for PEMFCs Consumption (2021-2032) &

(K Sqm)

Figure 23. ASEAN Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 24. India Gas Diffusion Layers for PEMFCs Consumption (2021-2032) & (K Sqm)

Figure 25. Producer Shipments of Gas Diffusion Layers for PEMFCs by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Gas Diffusion Layers for PEMFCs Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Gas Diffusion Layers for PEMFCs Markets in 2025

Figure 28. United States VS China: Gas Diffusion Layers for PEMFCs Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Gas Diffusion Layers for PEMFCs Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Gas Diffusion Layers for PEMFCs Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Gas Diffusion Layers for PEMFCs Production Market Share 2025

Figure 32. China Based Manufacturers Gas Diffusion Layers for PEMFCs Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Gas Diffusion Layers for PEMFCs Production Market Share 2025

Figure 34. World Gas Diffusion Layers for PEMFCs Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Type in 2025

Figure 36. Wet Process Carbon Paper

Figure 37. Dry Process Carbon Paper

Figure 38. World Gas Diffusion Layers for PEMFCs Production Market Share by Type (2021-2032)

Figure 39. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Type (2021-2032)

Figure 40. World Gas Diffusion Layers for PEMFCs Average Price by Type (2021-2032) & (US\$/Sq m)

Figure 41. World Gas Diffusion Layers for PEMFCs Production Value by Thickness, (USD Million), 2021 & 2025 & 2032

Figure 42. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Thickness in 2025

Figure 43. Figure 44. 200–300 ?m

Figure 45. > 300 ?m

Figure 46. World Gas Diffusion Layers for PEMFCs Production Market Share by Thickness (2021-2032)

Figure 47. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Thickness (2021-2032)

Figure 48. World Gas Diffusion Layers for PEMFCs Average Price by Thickness (2021-2032) & (US\$/Sq m)

Figure 49. World Gas Diffusion Layers for PEMFCs Production Value by Surface Treatment, (USD Million), 2021 & 2025 & 2032

Figure 50. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Surface Treatment in 2025

Figure 51. PTFE Hydrophobic

Figure 52. Non-Hydrophobic

Figure 53. World Gas Diffusion Layers for PEMFCs Production Market Share by Surface Treatment (2021-2032)

Figure 54. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Surface Treatment (2021-2032)

Figure 55. World Gas Diffusion Layers for PEMFCs Average Price by Surface Treatment (2021-2032) & (US\$/Sq m)

Figure 56. World Gas Diffusion Layers for PEMFCs Production Value by Product Form, (USD Million), 2021 & 2025 & 2032

Figure 57. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Product Form in 2025

Figure 58. Sheets

Figure 59. Rolls

Figure 60. World Gas Diffusion Layers for PEMFCs Production Market Share by Product Form (2021-2032)

Figure 61. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Product Form (2021-2032)

Figure 62. World Gas Diffusion Layers for PEMFCs Average Price by Product Form (2021-2032) & (US\$/Sq m)

Figure 63. World Gas Diffusion Layers for PEMFCs Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 64. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Application in 2025

Figure 65. Automotive Fuel Cells

Figure 66. Stationary Power Generation

Figure 67. Portable/Backup Power

Figure 68. Others

Figure 69. World Gas Diffusion Layers for PEMFCs Production Market Share by Application (2021-2032)

Figure 70. World Gas Diffusion Layers for PEMFCs Production Value Market Share by Application (2021-2032)

Figure 71. World Gas Diffusion Layers for PEMFCs Average Price by Application (2021-2032) & (US\$/Sq m)

Figure 72. Gas Diffusion Layers for PEMFCs Industry Chain

Figure 73. Gas Diffusion Layers for PEMFCs Procurement Model

Figure 74. Gas Diffusion Layers for PEMFCs Sales Model

Figure 75. Gas Diffusion Layers for PEMFCs Sales Channels, Direct Sales, and Distribution

Figure 76. Methodology

Figure 77. Research Process and Data Source

I would like to order

Product name: Global Gas Diffusion Layers for PEMFCs Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G4DDD00C7035EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G4DDD00C7035EN.html>