

# Fuel Cell Gas Diffusion Layer (GDL) Substrate Market, Global Outlook and Forecast 2022-2028

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## Abstracts

The gas diffusion layer substrate (GDL) used in fuel cells is responsible for supplying hydrogen and air electrodes (catalysts) in the fuel, electrons generated by chemical reactions in the electrodes, moisture retention of the electrolyte membrane, and discharge of produced water, etc. It has multiple functions and is a multifunctional material. Not only need to have gas permeability and conductivity, but also need to meet various requirements such as acid resistance and mechanical strength, generally use carbon fiber paper or carbon fiber woven fabric.

This report contains market size and forecasts of Fuel Cell Gas Diffusion Layer (GDL) Substrate in global, including the following market information:

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Sales, 2017-2022, 2023-2028, (Tons)

Global top five Fuel Cell Gas Diffusion Layer (GDL) Substrate companies in 2021 (%)

The global Fuel Cell Gas Diffusion Layer (GDL) Substrate market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Carbon Fiber Paper Substrate Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Fuel Cell Gas Diffusion Layer (GDL) Substrate include SGL, Freudenberg, AvCarb, Toray, Teijin, Mitsubishi Chemical Corporation, Cetech, Technical Fiber Products and Ballard Power Systems and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Fuel Cell Gas Diffusion Layer (GDL) Substrate manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Segment Percentages, by Type, 2021 (%)

Carbon Fiber Paper Substrate

Carbon Cloth Substrate

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Segment Percentages, by Application, 2021 (%)

Hydrogen-oxygen Fuel Cell

Hydrocarbon Fuel Cell

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market, By Region and Country,

2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

## Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Fuel Cell Gas Diffusion Layer (GDL) Substrate revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Fuel Cell Gas Diffusion Layer (GDL) Substrate revenues share in global market, 2021 (%)

Key companies Fuel Cell Gas Diffusion Layer (GDL) Substrate sales in global market, 2017-2022 (Estimated), (Tons)

Key companies Fuel Cell Gas Diffusion Layer (GDL) Substrate sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

SGL

Freudenberg

AvCarb

Toray

Teijin

Mitsubishi Chemical Corporation

Cetech

Technical Fiber Products

Ballard Power Systems

Industrie De Nora S.p.A.

## Contents

### **1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS**

- 1.1 Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Definition
- 1.2 Market Segments
  - 1.2.1 Market by Type
  - 1.2.2 Market by Application
- 1.3 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
  - 1.5.1 Research Methodology
  - 1.5.2 Research Process
  - 1.5.3 Base Year
  - 1.5.4 Report Assumptions & Caveats

### **2 GLOBAL FUEL CELL GAS DIFFUSION LAYER (GDL) SUBSTRATE OVERALL MARKET SIZE**

- 2.1 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size: 2021 VS 2028
- 2.2 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales: 2017-2028

### **3 COMPANY LANDSCAPE**

- 3.1 Top Fuel Cell Gas Diffusion Layer (GDL) Substrate Players in Global Market
- 3.2 Top Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Companies Ranked by Revenue
- 3.3 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue by Companies
- 3.4 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales by Companies
- 3.5 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Fuel Cell Gas Diffusion Layer (GDL) Substrate Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Fuel Cell Gas Diffusion Layer (GDL) Substrate Players in Global Market
  - 3.8.1 List of Global Tier 1 Fuel Cell Gas Diffusion Layer (GDL) Substrate Companies

### 3.8.2 List of Global Tier 2 and Tier 3 Fuel Cell Gas Diffusion Layer (GDL) Substrate Companies

## 4 SIGHTS BY PRODUCT

### 4.1 Overview

4.1.1 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size Markets, 2021 & 2028

4.1.2 Carbon Fiber Paper Substrate

4.1.3 Carbon Cloth Substrate

4.2 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue & Forecasts

4.2.1 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2022

4.2.2 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2023-2028

4.2.3 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

4.3 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales & Forecasts

4.3.1 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2022

4.3.2 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2023-2028

4.3.3 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

4.4 By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Price (Manufacturers Selling Prices), 2017-2028

## 5 SIGHTS BY APPLICATION

### 5.1 Overview

5.1.1 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2021 & 2028

5.1.2 Hydrogen-oxygen Fuel Cell

5.1.3 Hydrocarbon Fuel Cell

5.2 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue & Forecasts

5.2.1 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2022

5.2.2 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2023-2028

5.2.3 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

5.3 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales & Forecasts

5.3.1 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2022

5.3.2 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2023-2028

5.3.3 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

5.4 By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Price (Manufacturers Selling Prices), 2017-2028

## **6 SIGHTS BY REGION**

6.1 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2021 & 2028

6.2 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue & Forecasts

6.2.1 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2022

6.2.2 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2023-2028

6.2.3 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

6.3 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales & Forecasts

6.3.1 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2022

6.3.2 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2023-2028

6.3.3 By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

6.4 North America

6.4.1 By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2028

6.4.2 By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate



## Sales, 2017-2028

6.4.3 US Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.4.4 Canada Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.4.5 Mexico Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

## 6.5 Europe

6.5.1 By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2028

6.5.2 By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2028

6.5.3 Germany Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.5.4 France Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.5.5 U.K. Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.5.6 Italy Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.5.7 Russia Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.5.8 Nordic Countries Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.5.9 Benelux Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

## 6.6 Asia

6.6.1 By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2028

6.6.2 By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2028

6.6.3 China Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.6.4 Japan Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.6.5 South Korea Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.6.6 Southeast Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.6.7 India Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

## 6.7 South America

6.7.1 By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2028

6.7.2 By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2028

6.7.3 Brazil Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.7.4 Argentina Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

## 6.8 Middle East & Africa

6.8.1 By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate

Revenue, 2017-2028

6.8.2 By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, 2017-2028

6.8.3 Turkey Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.8.4 Israel Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.8.5 Saudi Arabia Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

6.8.6 UAE Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size, 2017-2028

## **7 MANUFACTURERS & BRANDS PROFILES**

### **7.1 SGL**

7.1.1 SGL Corporate Summary

7.1.2 SGL Business Overview

7.1.3 SGL Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

7.1.4 SGL Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

7.1.5 SGL Key News

### **7.2 Freudenberg**

7.2.1 Freudenberg Corporate Summary

7.2.2 Freudenberg Business Overview

7.2.3 Freudenberg Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

7.2.4 Freudenberg Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

7.2.5 Freudenberg Key News

### **7.3 AvCarb**

7.3.1 AvCarb Corporate Summary

7.3.2 AvCarb Business Overview

7.3.3 AvCarb Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

7.3.4 AvCarb Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

7.3.5 AvCarb Key News

### **7.4 Toray**

7.4.1 Toray Corporate Summary

7.4.2 Toray Business Overview

7.4.3 Toray Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

7.4.4 Toray Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

#### 7.4.5 Toray Key News

### 7.5 Teijin

#### 7.5.1 Teijin Corporate Summary

#### 7.5.2 Teijin Business Overview

#### 7.5.3 Teijin Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

#### 7.5.4 Teijin Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

#### 7.5.5 Teijin Key News

### 7.6 Mitsubishi Chemical Corporation

#### 7.6.1 Mitsubishi Chemical Corporation Corporate Summary

#### 7.6.2 Mitsubishi Chemical Corporation Business Overview

#### 7.6.3 Mitsubishi Chemical Corporation Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

#### 7.6.4 Mitsubishi Chemical Corporation Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

#### 7.6.5 Mitsubishi Chemical Corporation Key News

### 7.7 Cetech

#### 7.7.1 Cetech Corporate Summary

#### 7.7.2 Cetech Business Overview

#### 7.7.3 Cetech Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

#### 7.7.4 Cetech Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

#### 7.7.5 Cetech Key News

### 7.8 Technical Fiber Products

#### 7.8.1 Technical Fiber Products Corporate Summary

#### 7.8.2 Technical Fiber Products Business Overview

#### 7.8.3 Technical Fiber Products Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

#### 7.8.4 Technical Fiber Products Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

#### 7.8.5 Technical Fiber Products Key News

### 7.9 Ballard Power Systems

#### 7.9.1 Ballard Power Systems Corporate Summary

#### 7.9.2 Ballard Power Systems Business Overview

#### 7.9.3 Ballard Power Systems Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

#### 7.9.4 Ballard Power Systems Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

#### 7.9.5 Ballard Power Systems Key News

## 7.10 Industrie De Nora S.p.A.

7.10.1 Industrie De Nora S.p.A. Corporate Summary

7.10.2 Industrie De Nora S.p.A. Business Overview

7.10.3 Industrie De Nora S.p.A. Fuel Cell Gas Diffusion Layer (GDL) Substrate Major Product Offerings

7.10.4 Industrie De Nora S.p.A. Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales and Revenue in Global (2017-2022)

7.10.5 Industrie De Nora S.p.A. Key News

## **8 GLOBAL FUEL CELL GAS DIFFUSION LAYER (GDL) SUBSTRATE PRODUCTION CAPACITY, ANALYSIS**

8.1 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Production Capacity, 2017-2028

8.2 Fuel Cell Gas Diffusion Layer (GDL) Substrate Production Capacity of Key Manufacturers in Global Market

8.3 Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Production by Region

## **9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS**

9.1 Market Opportunities & Trends

9.2 Market Drivers

9.3 Market Restraints

## **10 FUEL CELL GAS DIFFUSION LAYER (GDL) SUBSTRATE SUPPLY CHAIN ANALYSIS**

10.1 Fuel Cell Gas Diffusion Layer (GDL) Substrate Industry Value Chain

10.2 Fuel Cell Gas Diffusion Layer (GDL) Substrate Upstream Market

10.3 Fuel Cell Gas Diffusion Layer (GDL) Substrate Downstream and Clients

10.4 Marketing Channels Analysis

10.4.1 Marketing Channels

10.4.2 Fuel Cell Gas Diffusion Layer (GDL) Substrate Distributors and Sales Agents in Global

## **11 CONCLUSION**

## **12 APPENDIX**

12.1 Note

12.2 Examples of Clients

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Key Players of Fuel Cell Gas Diffusion Layer (GDL) Substrate in Global Market

Table 2. Top Fuel Cell Gas Diffusion Layer (GDL) Substrate Players in Global Market, Ranking by Revenue (2021)

Table 3. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue by Companies, (US\$, Mn), 2017-2022

Table 4. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Share by Companies, 2017-2022

Table 5. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales by Companies, (Tons), 2017-2022

Table 6. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Share by Companies, 2017-2022

Table 7. Key Manufacturers Fuel Cell Gas Diffusion Layer (GDL) Substrate Price (2017-2022) & (US\$/Ton)

Table 8. Global Manufacturers Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Type

Table 9. List of Global Tier 1 Fuel Cell Gas Diffusion Layer (GDL) Substrate Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 10. List of Global Tier 2 and Tier 3 Fuel Cell Gas Diffusion Layer (GDL) Substrate Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 11. By Type – Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2021 & 2028

Table 12. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue (US\$, Mn), 2017-2022

Table 13. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue (US\$, Mn), 2023-2028

Table 14. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), 2017-2022

Table 15. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), 2023-2028

Table 16. By Application – Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2021 & 2028

Table 17. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue (US\$, Mn), 2017-2022

Table 18. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue (US\$, Mn), 2023-2028

Table 19. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), 2017-2022

Table 20. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), 2023-2028

Table 21. By Region – Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2021 VS 2028

Table 22. By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), 2017-2022

Table 25. By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), 2023-2028

Table 26. By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2017-2022

Table 29. By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2023-2028

Table 30. By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2017-2022

Table 33. By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2023-2028

Table 34. By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2017-2022

Table 37. By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2023-2028

Table 38. By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate



Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2017-2022

Table 41. By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2023-2028

Table 42. By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2017-2022

Table 45. By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales, (Tons), 2023-2028

Table 46. SGL Corporate Summary

Table 47. SGL Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings

Table 48. SGL Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 49. Freudenberg Corporate Summary

Table 50. Freudenberg Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings

Table 51. Freudenberg Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 52. AvCarb Corporate Summary

Table 53. AvCarb Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings

Table 54. AvCarb Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 55. Toray Corporate Summary

Table 56. Toray Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings

Table 57. Toray Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 58. Teijin Corporate Summary

Table 59. Teijin Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings

Table 60. Teijin Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 61. Mitsubishi Chemical Corporation Corporate Summary

Table 62. Mitsubishi Chemical Corporation Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings



- Table 63. Mitsubishi Chemical Corporation Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)
- Table 64. Cetech Corporate Summary
- Table 65. Cetech Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings
- Table 66. Cetech Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)
- Table 67. Technical Fiber Products Corporate Summary
- Table 68. Technical Fiber Products Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings
- Table 69. Technical Fiber Products Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)
- Table 70. Ballard Power Systems Corporate Summary
- Table 71. Ballard Power Systems Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings
- Table 72. Ballard Power Systems Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)
- Table 73. Industrie De Nora S.p.A. Corporate Summary
- Table 74. Industrie De Nora S.p.A. Fuel Cell Gas Diffusion Layer (GDL) Substrate Product Offerings
- Table 75. Industrie De Nora S.p.A. Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)
- Table 76. Fuel Cell Gas Diffusion Layer (GDL) Substrate Production Capacity (Tons) of Key Manufacturers in Global Market, 2020-2022 (Tons)
- Table 77. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Capacity Market Share of Key Manufacturers, 2020-2022
- Table 78. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Production by Region, 2017-2022 (Tons)
- Table 79. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Production by Region, 2023-2028 (Tons)
- Table 80. Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Opportunities & Trends in Global Market
- Table 81. Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Drivers in Global Market
- Table 82. Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Restraints in Global Market
- Table 83. Fuel Cell Gas Diffusion Layer (GDL) Substrate Raw Materials
- Table 84. Fuel Cell Gas Diffusion Layer (GDL) Substrate Raw Materials Suppliers in Global Market
- Table 85. Typical Fuel Cell Gas Diffusion Layer (GDL) Substrate Downstream

Table 86. Fuel Cell Gas Diffusion Layer (GDL) Substrate Downstream Clients in Global Market

Table 87. Fuel Cell Gas Diffusion Layer (GDL) Substrate Distributors and Sales Agents in Global Market

## List Of Figures

### LIST OF FIGURES

- Figure 1. Fuel Cell Gas Diffusion Layer (GDL) Substrate Segment by Type
- Figure 2. Fuel Cell Gas Diffusion Layer (GDL) Substrate Segment by Application
- Figure 3. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Overview: 2021
- Figure 4. Key Caveats
- Figure 5. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Market Size: 2021 VS 2028 (US\$, Mn)
- Figure 6. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, 2017-2028 (US\$, Mn)
- Figure 7. Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales in Global Market: 2017-2028 (Tons)
- Figure 8. The Top 3 and 5 Players Market Share by Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue in 2021
- Figure 9. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028
- Figure 10. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028
- Figure 11. By Type - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Price (US\$/Ton), 2017-2028
- Figure 12. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028
- Figure 13. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028
- Figure 14. By Application - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Price (US\$/Ton), 2017-2028
- Figure 15. By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028
- Figure 16. By Region - Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028
- Figure 17. By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028
- Figure 18. By Country - North America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028
- Figure 19. US Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028
- Figure 20. Canada Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn),

2017-2028

Figure 21. Mexico Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 22. By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

Figure 23. By Country - Europe Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

Figure 24. Germany Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 25. France Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

Figure 33. China Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 37. India Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

Figure 39. By Country - South America Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

Figure 40. Brazil Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Fuel Cell Gas Diffusion Layer (GDL) Substrate Sales Market Share, 2017-2028

Figure 44. Turkey Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Fuel Cell Gas Diffusion Layer (GDL) Substrate Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Fuel Cell Gas Diffusion Layer (GDL) Substrate Production Capacity (Tons), 2017-2028

Figure 49. The Percentage of Production Fuel Cell Gas Diffusion Layer (GDL) Substrate by Region, 2021 VS 2028

Figure 50. Fuel Cell Gas Diffusion Layer (GDL) Substrate Industry Value Chain

Figure 51. Marketing Channels

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