

Global Hydrogen Gas Separation Membranes Market Research Report 2024, Forecast to 2032

<https://marketpublishers.com/r/G76177204B7DEN.html>

Date: October 2024

Pages: 129

Price: US\$ 3,400.00 (Single User License)

ID: G76177204B7DEN

Abstracts

Report Overview

Hydrogen gas separation membrane is one of the most widely used industries for gas separation membranes. Types of Hydrogen Separation Membranes (based on the materials used) can be categorized into four types: (i) polymer (organic), (ii) metallic, (iii) carbon, and (iv) ceramic.

The global Hydrogen Gas Separation Membranes market size was estimated at USD 189.10 million in 2023 and is projected to reach USD 336.13 million by 2032, exhibiting a CAGR of 6.60% during the forecast period.

North America Hydrogen Gas Separation Membranes market size was estimated at USD 55.01 million in 2023, at a CAGR of 5.66% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Hydrogen Gas Separation Membranes market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Hydrogen Gas Separation Membranes Market, this report introduces in detail the

market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Hydrogen Gas Separation Membranes market in any manner.

Global Hydrogen Gas Separation Membranes Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Air Liquide

Evonik Industries

BORSIG

Air Products

Linde Engineering

Honeywell

Toray

UBE Industries

Tianbang

Market Segmentation (by Type)

Organic Polymer Membrane

Inorganic Membranes

Market Segmentation (by Application)

Refinery Purge Gas

Ammonia Purge Gas

Methanol Purge Gas

Syngas Ratio Adjustment

Gas to Liquids

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Hydrogen Gas Separation Membranes Market

Overview of the regional outlook of the Hydrogen Gas Separation Membranes Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major

players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Hydrogen Gas Separation Membranes Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan,

merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Hydrogen Gas Separation Membranes, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Hydrogen Gas Separation Membranes
- 1.2 Key Market Segments
 - 1.2.1 Hydrogen Gas Separation Membranes Segment by Type
 - 1.2.2 Hydrogen Gas Separation Membranes Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 HYDROGEN GAS SEPARATION MEMBRANES MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Hydrogen Gas Separation Membranes Market Size (M USD) Estimates and Forecasts (2019-2032)
 - 2.1.2 Global Hydrogen Gas Separation Membranes Sales Estimates and Forecasts (2019-2032)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 HYDROGEN GAS SEPARATION MEMBRANES MARKET COMPETITIVE LANDSCAPE

- 3.1 Global Hydrogen Gas Separation Membranes Sales by Manufacturers (2019-2024)
- 3.2 Global Hydrogen Gas Separation Membranes Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Hydrogen Gas Separation Membranes Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Hydrogen Gas Separation Membranes Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Hydrogen Gas Separation Membranes Sales Sites, Area Served, Product Type
- 3.6 Hydrogen Gas Separation Membranes Market Competitive Situation and Trends
 - 3.6.1 Hydrogen Gas Separation Membranes Market Concentration Rate

3.6.2 Global 5 and 10 Largest Hydrogen Gas Separation Membranes Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 HYDROGEN GAS SEPARATION MEMBRANES INDUSTRY CHAIN ANALYSIS

4.1 Hydrogen Gas Separation Membranes Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF HYDROGEN GAS SEPARATION MEMBRANES MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 HYDROGEN GAS SEPARATION MEMBRANES MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Hydrogen Gas Separation Membranes Sales Market Share by Type (2019-2024)

6.3 Global Hydrogen Gas Separation Membranes Market Size Market Share by Type (2019-2024)

6.4 Global Hydrogen Gas Separation Membranes Price by Type (2019-2024)

7 HYDROGEN GAS SEPARATION MEMBRANES MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Hydrogen Gas Separation Membranes Market Sales by Application (2019-2024)

7.3 Global Hydrogen Gas Separation Membranes Market Size (M USD) by Application (2019-2024)

7.4 Global Hydrogen Gas Separation Membranes Sales Growth Rate by Application (2019-2024)

8 HYDROGEN GAS SEPARATION MEMBRANES MARKET CONSUMPTION BY REGION

8.1 Global Hydrogen Gas Separation Membranes Sales by Region

8.1.1 Global Hydrogen Gas Separation Membranes Sales by Region

8.1.2 Global Hydrogen Gas Separation Membranes Sales Market Share by Region

8.2 North America

8.2.1 North America Hydrogen Gas Separation Membranes Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Hydrogen Gas Separation Membranes Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Hydrogen Gas Separation Membranes Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Hydrogen Gas Separation Membranes Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Hydrogen Gas Separation Membranes Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 HYDROGEN GAS SEPARATION MEMBRANES MARKET PRODUCTION BY REGION

9.1 Global Production of Hydrogen Gas Separation Membranes by Region (2019-2024)

9.2 Global Hydrogen Gas Separation Membranes Revenue Market Share by Region (2019-2024)

9.3 Global Hydrogen Gas Separation Membranes Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America Hydrogen Gas Separation Membranes Production

9.4.1 North America Hydrogen Gas Separation Membranes Production Growth Rate (2019-2024)

9.4.2 North America Hydrogen Gas Separation Membranes Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe Hydrogen Gas Separation Membranes Production

9.5.1 Europe Hydrogen Gas Separation Membranes Production Growth Rate (2019-2024)

9.5.2 Europe Hydrogen Gas Separation Membranes Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan Hydrogen Gas Separation Membranes Production (2019-2024)

9.6.1 Japan Hydrogen Gas Separation Membranes Production Growth Rate (2019-2024)

9.6.2 Japan Hydrogen Gas Separation Membranes Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China Hydrogen Gas Separation Membranes Production (2019-2024)

9.7.1 China Hydrogen Gas Separation Membranes Production Growth Rate (2019-2024)

9.7.2 China Hydrogen Gas Separation Membranes Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Air Liquide

10.1.1 Air Liquide Hydrogen Gas Separation Membranes Basic Information

- 10.1.2 Air Liquide Hydrogen Gas Separation Membranes Product Overview
- 10.1.3 Air Liquide Hydrogen Gas Separation Membranes Product Market Performance
- 10.1.4 Air Liquide Business Overview
- 10.1.5 Air Liquide Hydrogen Gas Separation Membranes SWOT Analysis
- 10.1.6 Air Liquide Recent Developments
- 10.2 Evonik Industries
 - 10.2.1 Evonik Industries Hydrogen Gas Separation Membranes Basic Information
 - 10.2.2 Evonik Industries Hydrogen Gas Separation Membranes Product Overview
 - 10.2.3 Evonik Industries Hydrogen Gas Separation Membranes Product Market Performance
 - 10.2.4 Evonik Industries Business Overview
 - 10.2.5 Evonik Industries Hydrogen Gas Separation Membranes SWOT Analysis
 - 10.2.6 Evonik Industries Recent Developments
- 10.3 BORSIG
 - 10.3.1 BORSIG Hydrogen Gas Separation Membranes Basic Information
 - 10.3.2 BORSIG Hydrogen Gas Separation Membranes Product Overview
 - 10.3.3 BORSIG Hydrogen Gas Separation Membranes Product Market Performance
 - 10.3.4 BORSIG Hydrogen Gas Separation Membranes SWOT Analysis
 - 10.3.5 BORSIG Business Overview
 - 10.3.6 BORSIG Recent Developments
- 10.4 Air Products
 - 10.4.1 Air Products Hydrogen Gas Separation Membranes Basic Information
 - 10.4.2 Air Products Hydrogen Gas Separation Membranes Product Overview
 - 10.4.3 Air Products Hydrogen Gas Separation Membranes Product Market Performance
 - 10.4.4 Air Products Business Overview
 - 10.4.5 Air Products Recent Developments
- 10.5 Linde Engineering
 - 10.5.1 Linde Engineering Hydrogen Gas Separation Membranes Basic Information
 - 10.5.2 Linde Engineering Hydrogen Gas Separation Membranes Product Overview
 - 10.5.3 Linde Engineering Hydrogen Gas Separation Membranes Product Market Performance
 - 10.5.4 Linde Engineering Business Overview
 - 10.5.5 Linde Engineering Recent Developments
- 10.6 Honeywell
 - 10.6.1 Honeywell Hydrogen Gas Separation Membranes Basic Information
 - 10.6.2 Honeywell Hydrogen Gas Separation Membranes Product Overview
 - 10.6.3 Honeywell Hydrogen Gas Separation Membranes Product Market Performance
 - 10.6.4 Honeywell Business Overview

10.6.5 Honeywell Recent Developments

10.7 Toray

10.7.1 Toray Hydrogen Gas Separation Membranes Basic Information

10.7.2 Toray Hydrogen Gas Separation Membranes Product Overview

10.7.3 Toray Hydrogen Gas Separation Membranes Product Market Performance

10.7.4 Toray Business Overview

10.7.5 Toray Recent Developments

10.8 UBE Industries

10.8.1 UBE Industries Hydrogen Gas Separation Membranes Basic Information

10.8.2 UBE Industries Hydrogen Gas Separation Membranes Product Overview

10.8.3 UBE Industries Hydrogen Gas Separation Membranes Product Market

Performance

10.8.4 UBE Industries Business Overview

10.8.5 UBE Industries Recent Developments

10.9 Tianbang

10.9.1 Tianbang Hydrogen Gas Separation Membranes Basic Information

10.9.2 Tianbang Hydrogen Gas Separation Membranes Product Overview

10.9.3 Tianbang Hydrogen Gas Separation Membranes Product Market Performance

10.9.4 Tianbang Business Overview

10.9.5 Tianbang Recent Developments

11 HYDROGEN GAS SEPARATION MEMBRANES MARKET FORECAST BY REGION

11.1 Global Hydrogen Gas Separation Membranes Market Size Forecast

11.2 Global Hydrogen Gas Separation Membranes Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Hydrogen Gas Separation Membranes Market Size Forecast by Country

11.2.3 Asia Pacific Hydrogen Gas Separation Membranes Market Size Forecast by Region

11.2.4 South America Hydrogen Gas Separation Membranes Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Consumption of Hydrogen Gas Separation Membranes by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global Hydrogen Gas Separation Membranes Market Forecast by Type

(2025-2032)

12.1.1 Global Forecasted Sales of Hydrogen Gas Separation Membranes by Type

(2025-2032)

12.1.2 Global Hydrogen Gas Separation Membranes Market Size Forecast by Type

(2025-2032)

12.1.3 Global Forecasted Price of Hydrogen Gas Separation Membranes by Type

(2025-2032)

12.2 Global Hydrogen Gas Separation Membranes Market Forecast by Application

(2025-2032)

12.2.1 Global Hydrogen Gas Separation Membranes Sales (K MT) Forecast by Application

12.2.2 Global Hydrogen Gas Separation Membranes Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Hydrogen Gas Separation Membranes Market Size Comparison by Region (M USD)
- Table 5. Global Hydrogen Gas Separation Membranes Sales (K MT) by Manufacturers (2019-2024)
- Table 6. Global Hydrogen Gas Separation Membranes Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Hydrogen Gas Separation Membranes Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Hydrogen Gas Separation Membranes Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Hydrogen Gas Separation Membranes as of 2022)
- Table 10. Global Market Hydrogen Gas Separation Membranes Average Price (USD/MT) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers Hydrogen Gas Separation Membranes Sales Sites and Area Served
- Table 12. Manufacturers Hydrogen Gas Separation Membranes Product Type
- Table 13. Global Hydrogen Gas Separation Membranes Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Hydrogen Gas Separation Membranes
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Hydrogen Gas Separation Membranes Market Challenges
- Table 22. Global Hydrogen Gas Separation Membranes Sales by Type (K MT)
- Table 23. Global Hydrogen Gas Separation Membranes Market Size by Type (M USD)
- Table 24. Global Hydrogen Gas Separation Membranes Sales (K MT) by Type (2019-2024)
- Table 25. Global Hydrogen Gas Separation Membranes Sales Market Share by Type

(2019-2024)

Table 26. Global Hydrogen Gas Separation Membranes Market Size (M USD) by Type (2019-2024)

Table 27. Global Hydrogen Gas Separation Membranes Market Size Share by Type (2019-2024)

Table 28. Global Hydrogen Gas Separation Membranes Price (USD/MT) by Type (2019-2024)

Table 29. Global Hydrogen Gas Separation Membranes Sales (K MT) by Application

Table 30. Global Hydrogen Gas Separation Membranes Market Size by Application

Table 31. Global Hydrogen Gas Separation Membranes Sales by Application (2019-2024) & (K MT)

Table 32. Global Hydrogen Gas Separation Membranes Sales Market Share by Application (2019-2024)

Table 33. Global Hydrogen Gas Separation Membranes Sales by Application (2019-2024) & (M USD)

Table 34. Global Hydrogen Gas Separation Membranes Market Share by Application (2019-2024)

Table 35. Global Hydrogen Gas Separation Membranes Sales Growth Rate by Application (2019-2024)

Table 36. Global Hydrogen Gas Separation Membranes Sales by Region (2019-2024) & (K MT)

Table 37. Global Hydrogen Gas Separation Membranes Sales Market Share by Region (2019-2024)

Table 38. North America Hydrogen Gas Separation Membranes Sales by Country (2019-2024) & (K MT)

Table 39. Europe Hydrogen Gas Separation Membranes Sales by Country (2019-2024) & (K MT)

Table 40. Asia Pacific Hydrogen Gas Separation Membranes Sales by Region (2019-2024) & (K MT)

Table 41. South America Hydrogen Gas Separation Membranes Sales by Country (2019-2024) & (K MT)

Table 42. Middle East and Africa Hydrogen Gas Separation Membranes Sales by Region (2019-2024) & (K MT)

Table 43. Global Hydrogen Gas Separation Membranes Production (K MT) by Region (2019-2024)

Table 44. Global Hydrogen Gas Separation Membranes Revenue (US\$ Million) by Region (2019-2024)

Table 45. Global Hydrogen Gas Separation Membranes Revenue Market Share by Region (2019-2024)

Table 46. Global Hydrogen Gas Separation Membranes Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 47. North America Hydrogen Gas Separation Membranes Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 48. Europe Hydrogen Gas Separation Membranes Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 49. Japan Hydrogen Gas Separation Membranes Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 50. China Hydrogen Gas Separation Membranes Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 51. Air Liquide Hydrogen Gas Separation Membranes Basic Information

Table 52. Air Liquide Hydrogen Gas Separation Membranes Product Overview

Table 53. Air Liquide Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 54. Air Liquide Business Overview

Table 55. Air Liquide Hydrogen Gas Separation Membranes SWOT Analysis

Table 56. Air Liquide Recent Developments

Table 57. Evonik Industries Hydrogen Gas Separation Membranes Basic Information

Table 58. Evonik Industries Hydrogen Gas Separation Membranes Product Overview

Table 59. Evonik Industries Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 60. Evonik Industries Business Overview

Table 61. Evonik Industries Hydrogen Gas Separation Membranes SWOT Analysis

Table 62. Evonik Industries Recent Developments

Table 63. BORSIG Hydrogen Gas Separation Membranes Basic Information

Table 64. BORSIG Hydrogen Gas Separation Membranes Product Overview

Table 65. BORSIG Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 66. BORSIG Hydrogen Gas Separation Membranes SWOT Analysis

Table 67. BORSIG Business Overview

Table 68. BORSIG Recent Developments

Table 69. Air Products Hydrogen Gas Separation Membranes Basic Information

Table 70. Air Products Hydrogen Gas Separation Membranes Product Overview

Table 71. Air Products Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 72. Air Products Business Overview

Table 73. Air Products Recent Developments

Table 74. Linde Engineering Hydrogen Gas Separation Membranes Basic Information

Table 75. Linde Engineering Hydrogen Gas Separation Membranes Product Overview

Table 76. Linde Engineering Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 77. Linde Engineering Business Overview

Table 78. Linde Engineering Recent Developments

Table 79. Honeywell Hydrogen Gas Separation Membranes Basic Information

Table 80. Honeywell Hydrogen Gas Separation Membranes Product Overview

Table 81. Honeywell Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 82. Honeywell Business Overview

Table 83. Honeywell Recent Developments

Table 84. Toray Hydrogen Gas Separation Membranes Basic Information

Table 85. Toray Hydrogen Gas Separation Membranes Product Overview

Table 86. Toray Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 87. Toray Business Overview

Table 88. Toray Recent Developments

Table 89. UBE Industries Hydrogen Gas Separation Membranes Basic Information

Table 90. UBE Industries Hydrogen Gas Separation Membranes Product Overview

Table 91. UBE Industries Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 92. UBE Industries Business Overview

Table 93. UBE Industries Recent Developments

Table 94. Tianbang Hydrogen Gas Separation Membranes Basic Information

Table 95. Tianbang Hydrogen Gas Separation Membranes Product Overview

Table 96. Tianbang Hydrogen Gas Separation Membranes Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 97. Tianbang Business Overview

Table 98. Tianbang Recent Developments

Table 99. Global Hydrogen Gas Separation Membranes Sales Forecast by Region (2025-2032) & (K MT)

Table 100. Global Hydrogen Gas Separation Membranes Market Size Forecast by Region (2025-2032) & (M USD)

Table 101. North America Hydrogen Gas Separation Membranes Sales Forecast by Country (2025-2032) & (K MT)

Table 102. North America Hydrogen Gas Separation Membranes Market Size Forecast by Country (2025-2032) & (M USD)

Table 103. Europe Hydrogen Gas Separation Membranes Sales Forecast by Country (2025-2032) & (K MT)

Table 104. Europe Hydrogen Gas Separation Membranes Market Size Forecast by

Country (2025-2032) & (M USD)

Table 105. Asia Pacific Hydrogen Gas Separation Membranes Sales Forecast by Region (2025-2032) & (K MT)

Table 106. Asia Pacific Hydrogen Gas Separation Membranes Market Size Forecast by Region (2025-2032) & (M USD)

Table 107. South America Hydrogen Gas Separation Membranes Sales Forecast by Country (2025-2032) & (K MT)

Table 108. South America Hydrogen Gas Separation Membranes Market Size Forecast by Country (2025-2032) & (M USD)

Table 109. Middle East and Africa Hydrogen Gas Separation Membranes Consumption Forecast by Country (2025-2032) & (Units)

Table 110. Middle East and Africa Hydrogen Gas Separation Membranes Market Size Forecast by Country (2025-2032) & (M USD)

Table 111. Global Hydrogen Gas Separation Membranes Sales Forecast by Type (2025-2032) & (K MT)

Table 112. Global Hydrogen Gas Separation Membranes Market Size Forecast by Type (2025-2032) & (M USD)

Table 113. Global Hydrogen Gas Separation Membranes Price Forecast by Type (2025-2032) & (USD/MT)

Table 114. Global Hydrogen Gas Separation Membranes Sales (K MT) Forecast by Application (2025-2032)

Table 115. Global Hydrogen Gas Separation Membranes Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Hydrogen Gas Separation Membranes

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Hydrogen Gas Separation Membranes Market Size (M USD), 2019-2032

Figure 5. Global Hydrogen Gas Separation Membranes Market Size (M USD) (2019-2032)

Figure 6. Global Hydrogen Gas Separation Membranes Sales (K MT) & (2019-2032)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Hydrogen Gas Separation Membranes Market Size by Country (M USD)

Figure 11. Hydrogen Gas Separation Membranes Sales Share by Manufacturers in 2023

Figure 12. Global Hydrogen Gas Separation Membranes Revenue Share by Manufacturers in 2023

Figure 13. Hydrogen Gas Separation Membranes Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Hydrogen Gas Separation Membranes Average Price (USD/MT) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Hydrogen Gas Separation Membranes Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Hydrogen Gas Separation Membranes Market Share by Type

Figure 18. Sales Market Share of Hydrogen Gas Separation Membranes by Type (2019-2024)

Figure 19. Sales Market Share of Hydrogen Gas Separation Membranes by Type in 2023

Figure 20. Market Size Share of Hydrogen Gas Separation Membranes by Type (2019-2024)

Figure 21. Market Size Market Share of Hydrogen Gas Separation Membranes by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Hydrogen Gas Separation Membranes Market Share by Application

Figure 24. Global Hydrogen Gas Separation Membranes Sales Market Share by

Application (2019-2024)

Figure 25. Global Hydrogen Gas Separation Membranes Sales Market Share by Application in 2023

Figure 26. Global Hydrogen Gas Separation Membranes Market Share by Application (2019-2024)

Figure 27. Global Hydrogen Gas Separation Membranes Market Share by Application in 2023

Figure 28. Global Hydrogen Gas Separation Membranes Sales Growth Rate by Application (2019-2024)

Figure 29. Global Hydrogen Gas Separation Membranes Sales Market Share by Region (2019-2024)

Figure 30. North America Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 31. North America Hydrogen Gas Separation Membranes Sales Market Share by Country in 2023

Figure 32. U.S. Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 33. Canada Hydrogen Gas Separation Membranes Sales (K MT) and Growth Rate (2019-2024)

Figure 34. Mexico Hydrogen Gas Separation Membranes Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 36. Europe Hydrogen Gas Separation Membranes Sales Market Share by Country in 2023

Figure 37. Germany Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 38. France Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 39. U.K. Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 40. Italy Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 41. Russia Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 42. Asia Pacific Hydrogen Gas Separation Membranes Sales and Growth Rate (K MT)

Figure 43. Asia Pacific Hydrogen Gas Separation Membranes Sales Market Share by Region in 2023

Figure 44. China Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 45. Japan Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 46. South Korea Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 47. India Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 48. Southeast Asia Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 49. South America Hydrogen Gas Separation Membranes Sales and Growth Rate (K MT)

Figure 50. South America Hydrogen Gas Separation Membranes Sales Market Share by Country in 2023

Figure 51. Brazil Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 52. Argentina Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 53. Columbia Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 54. Middle East and Africa Hydrogen Gas Separation Membranes Sales and Growth Rate (K MT)

Figure 55. Middle East and Africa Hydrogen Gas Separation Membranes Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 57. UAE Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 58. Egypt Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 59. Nigeria Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 60. South Africa Hydrogen Gas Separation Membranes Sales and Growth Rate (2019-2024) & (K MT)

Figure 61. Global Hydrogen Gas Separation Membranes Production Market Share by Region (2019-2024)

Figure 62. North America Hydrogen Gas Separation Membranes Production (K MT) Growth Rate (2019-2024)

Figure 63. Europe Hydrogen Gas Separation Membranes Production (K MT) Growth

Rate (2019-2024)

Figure 64. Japan Hydrogen Gas Separation Membranes Production (K MT) Growth Rate (2019-2024)

Figure 65. China Hydrogen Gas Separation Membranes Production (K MT) Growth Rate (2019-2024)

Figure 66. Global Hydrogen Gas Separation Membranes Sales Forecast by Volume (2019-2032) & (K MT)

Figure 67. Global Hydrogen Gas Separation Membranes Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Hydrogen Gas Separation Membranes Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Hydrogen Gas Separation Membranes Market Share Forecast by Type (2025-2032)

Figure 70. Global Hydrogen Gas Separation Membranes Sales Forecast by Application (2025-2032)

Figure 71. Global Hydrogen Gas Separation Membranes Market Share Forecast by Application (2025-2032)

I would like to order

Product name: Global Hydrogen Gas Separation Membranes Market Research Report 2024, Forecast to 2032

Product link: <https://marketpublishers.com/r/G76177204B7DEN.html>

Price: US\$ 3,400.00 (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/G76177204B7DEN.html>