

Global ePTFE Air Filtration Membrane Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global ePTFE Air Filtration Membrane market size is expected to reach \$ 590 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

ePTFE air filter membranes are high-efficiency filtration media made from expanded polytetrafluoroethylene (ePTFE) that has undergone biaxial stretching to create a three-dimensional microporous structure. Characterized by uniform pore size, high filtration efficiency, low pressure drop, hydrophobicity, corrosion resistance, and temperature resilience, these membranes effectively capture dust, aerosols, microorganisms, and sub-micron particles; they are frequently used in composite structures with substrates such as non-woven fabrics.

The upstream sector primarily comprises PTFE resin, extrusion aids, non-woven fabrics, fiberglass substrates, adhesives, and membrane processing equipment. Downstream applications span cleanrooms, fresh air and HVAC systems, industrial dust removal, automotive filtration, medical protection, electronics manufacturing, and semiconductor production.

The global ePTFE air filter membrane market features an average selling price of \$10.5 per square meter, with annual sales of approximately 38 million square meters and a global production capacity of around 50 million square meters; the industry profit margin stands at 14%.

The future global ePTFE air filter membrane market will evolve toward higher efficiency, lower resistance, extended service life, and multifunctional integration. Rising demands for clean air in semiconductor, pharmaceutical, data center, and precision electronics

manufacturing sectors will drive the expanded application of products capable of filtering ultrafine particles, while energy-efficient building practices and indoor air quality management will boost demand in the HVAC and fresh air sectors. Product technology will increasingly prioritize precise pore size control, lamination durability, oil resistance, antimicrobial properties, flame retardancy, and cleanability, alongside system energy savings achieved through lightweight substrates and structural optimization. Market competition will shift from the mere supply of membrane materials to a broader contest involving filter media design, processing compatibility, testing and certification, and comprehensive filtration solutions; companies possessing capabilities in resin modification, stretching processes, and large-scale lamination will hold a competitive advantage.

This report studies the global ePTFE Air Filtration Membrane production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for ePTFE Air Filtration Membrane 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 ePTFE Air Filtration Membrane that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global ePTFE Air Filtration Membrane total production and demand, 2021-2032, (K Sqm)

Global ePTFE Air Filtration Membrane total production value, 2021-2032, (USD Million)

Global ePTFE Air Filtration Membrane production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)

Global ePTFE Air Filtration Membrane consumption by region & country, CAGR, 2021-2032 & (K Sqm)

U.S. VS China: ePTFE Air Filtration Membrane domestic production, consumption, key domestic manufacturers and share

Global ePTFE Air Filtration Membrane production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)

Global ePTFE Air Filtration Membrane production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

Global ePTFE Air Filtration Membrane production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global ePTFE Air Filtration Membrane 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 W. L. Gore & Associates, Donaldson, Pall, AAF International, Camfil, MANN+HUMMEL, Freudenberg Filtration Technologies, Sartorius, GVS, Daikin, 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 ePTFE Air Filtration Membrane 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 ePTFE Air Filtration Membrane Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global ePTFE Air Filtration Membrane Market, Segmentation by Type:

- Unsupported ePTFE Membrane
- Supported ePTFE Membrane
- Laminated ePTFE Membrane
- Adhesive-backed ePTFE Membrane
- Reinforced ePTFE Membrane

Global ePTFE Air Filtration Membrane Market, Segmentation by Base Material:

- Polyester Nonwoven-based Membrane
- Polypropylene Nonwoven-based Membrane
- Fiberglass-based Membrane
- PPS Felt-based Membrane
- Aramid Felt-based Membrane
- Polyimide Felt-based Membrane
- PTFE Felt-based Membrane

Global ePTFE Air Filtration Membrane Market, Segmentation by Filtration Efficiency:

- Medium-efficiency ePTFE Filter Membrane
- High-efficiency ePTFE Filter Membrane
- HEPA-grade ePTFE Filter Membrane
- ULPA-grade ePTFE Filter Membrane

Global ePTFE Air Filtration Membrane Market, Segmentation by Application:

Industrial

Semiconductor

Pharmaceutical and Biotechnology

Food and Beverage Processing

Automotive

Medical

Companies Profiled:

W. L. Gore & Associates

Donaldson

Pall

AAF International

Camfil

MANN+HUMMEL

Freudenberg Filtration Technologies

Sartorius

GVS

Daikin

Nitto Denko

JINYOU Fluorine Materials

Cobetter

Yuanchen Technology

Zhaohui Filtration Technology

Mingguan Purification Materials

Key Questions Answered:

1. How big is the global ePTFE Air Filtration Membrane market?
2. What is the demand of the global ePTFE Air Filtration Membrane market?
3. What is the year over year growth of the global ePTFE Air Filtration Membrane market?
4. What is the production and production value of the global ePTFE Air Filtration Membrane market?
5. Who are the key producers in the global ePTFE Air Filtration Membrane market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

- 2.1 World ePTFE Air Filtration Membrane Demand (2021-2032)
- 2.2 World ePTFE Air Filtration Membrane Consumption by Region
 - 2.2.1 World ePTFE Air Filtration Membrane Consumption by Region (2021-2026)
 - 2.2.2 World ePTFE Air Filtration Membrane Consumption Forecast by Region (2027-2032)
- 2.3 United States ePTFE Air Filtration Membrane Consumption (2021-2032)
- 2.4 China ePTFE Air Filtration Membrane Consumption (2021-2032)
- 2.5 Europe ePTFE Air Filtration Membrane Consumption (2021-2032)
- 2.6 Japan ePTFE Air Filtration Membrane Consumption (2021-2032)
- 2.7 South Korea ePTFE Air Filtration Membrane Consumption (2021-2032)
- 2.8 ASEAN ePTFE Air Filtration Membrane Consumption (2021-2032)
- 2.9 India ePTFE Air Filtration Membrane Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World ePTFE Air Filtration Membrane Production Value by Manufacturer (2021-2026)
- 3.2 World ePTFE Air Filtration Membrane Production by Manufacturer (2021-2026)
- 3.3 World ePTFE Air Filtration Membrane Average Price by Manufacturer (2021-2026)
- 3.4 ePTFE Air Filtration Membrane Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global ePTFE Air Filtration Membrane Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for ePTFE Air Filtration Membrane in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for ePTFE Air Filtration Membrane in 2025
- 3.6 ePTFE Air Filtration Membrane Market: Overall Company Footprint Analysis
 - 3.6.1 ePTFE Air Filtration Membrane Market: Region Footprint
 - 3.6.2 ePTFE Air Filtration Membrane Market: Company Product Type Footprint
 - 3.6.3 ePTFE Air Filtration Membrane 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: ePTFE Air Filtration Membrane Production Value Comparison
 - 4.1.1 United States VS China: ePTFE Air Filtration Membrane Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: ePTFE Air Filtration Membrane Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: ePTFE Air Filtration Membrane Production Comparison
 - 4.2.1 United States VS China: ePTFE Air Filtration Membrane Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: ePTFE Air Filtration Membrane Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: ePTFE Air Filtration Membrane Consumption Comparison
 - 4.3.1 United States VS China: ePTFE Air Filtration Membrane Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: ePTFE Air Filtration Membrane Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based ePTFE Air Filtration Membrane Manufacturers and Market Share, 2021-2026

4.4.1 United States Based ePTFE Air Filtration Membrane Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers ePTFE Air Filtration Membrane Production Value (2021-2026)

4.4.3 United States Based Manufacturers ePTFE Air Filtration Membrane Production (2021-2026)

4.5 China Based ePTFE Air Filtration Membrane Manufacturers and Market Share

4.5.1 China Based ePTFE Air Filtration Membrane Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers ePTFE Air Filtration Membrane Production Value (2021-2026)

4.5.3 China Based Manufacturers ePTFE Air Filtration Membrane Production (2021-2026)

4.6 Rest of World Based ePTFE Air Filtration Membrane Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based ePTFE Air Filtration Membrane Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World ePTFE Air Filtration Membrane Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Unsupported ePTFE Membrane

5.2.2 Supported ePTFE Membrane

5.2.3 Laminated ePTFE Membrane

5.2.4 Adhesive-backed ePTFE Membrane

5.2.5 Reinforced ePTFE Membrane

5.3 Market Segment by Type

5.3.1 World ePTFE Air Filtration Membrane Production by Type (2021-2032)

5.3.2 World ePTFE Air Filtration Membrane Production Value by Type (2021-2032)

5.3.3 World ePTFE Air Filtration Membrane Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY BASE MATERIAL

6.1 World ePTFE Air Filtration Membrane Market Size Overview by Base Material: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Base Material

- 6.2.1 Polyester Nonwoven-based Membrane
- 6.2.2 Polypropylene Nonwoven-based Membrane
- 6.2.3 Fiberglass-based Membrane
- 6.2.4 PPS Felt-based Membrane
- 6.2.5 Aramid Felt-based Membrane
- 6.2.6 Polyimide Felt-based Membrane
- 6.2.7 PTFE Felt-based Membrane

6.3 Market Segment by Base Material

- 6.3.1 World ePTFE Air Filtration Membrane Production by Base Material (2021-2032)
- 6.3.2 World ePTFE Air Filtration Membrane Production Value by Base Material (2021-2032)
- 6.3.3 World ePTFE Air Filtration Membrane Average Price by Base Material (2021-2032)

7 MARKET ANALYSIS BY FILTRATION EFFICIENCY

7.1 World ePTFE Air Filtration Membrane Market Size Overview by Filtration Efficiency: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Filtration Efficiency

- 7.2.1 Medium-efficiency ePTFE Filter Membrane
- 7.2.2 High-efficiency ePTFE Filter Membrane
- 7.2.3 HEPA-grade ePTFE Filter Membrane
- 7.2.4 ULPA-grade ePTFE Filter Membrane

7.3 Market Segment by Filtration Efficiency

- 7.3.1 World ePTFE Air Filtration Membrane Production by Filtration Efficiency (2021-2032)
- 7.3.2 World ePTFE Air Filtration Membrane Production Value by Filtration Efficiency (2021-2032)
- 7.3.3 World ePTFE Air Filtration Membrane Average Price by Filtration Efficiency (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World ePTFE Air Filtration Membrane Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Industrial

8.2.2 Semiconductor

8.2.3 Pharmaceutical and Biotechnology

8.2.4 Food and Beverage Processing

8.2.5 Automotive

8.2.6 Medical

8.3 Market Segment by Application

8.3.1 World ePTFE Air Filtration Membrane Production by Application (2021-2032)

8.3.2 World ePTFE Air Filtration Membrane Production Value by Application (2021-2032)

8.3.3 World ePTFE Air Filtration Membrane Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 W. L. Gore & Associates

9.1.1 W. L. Gore & Associates Details

9.1.2 W. L. Gore & Associates Major Business

9.1.3 W. L. Gore & Associates ePTFE Air Filtration Membrane Product and Services

9.1.4 W. L. Gore & Associates ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 W. L. Gore & Associates Recent Developments/Updates

9.1.6 W. L. Gore & Associates Competitive Strengths & Weaknesses

9.2 Donaldson

9.2.1 Donaldson Details

9.2.2 Donaldson Major Business

9.2.3 Donaldson ePTFE Air Filtration Membrane Product and Services

9.2.4 Donaldson ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Donaldson Recent Developments/Updates

9.2.6 Donaldson Competitive Strengths & Weaknesses

9.3 Pall

9.3.1 Pall Details

9.3.2 Pall Major Business

9.3.3 Pall ePTFE Air Filtration Membrane Product and Services

9.3.4 Pall ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and

Market Share (2021-2026)

9.3.5 Pall Recent Developments/Updates

9.3.6 Pall Competitive Strengths & Weaknesses

9.4 AAF International

9.4.1 AAF International Details

9.4.2 AAF International Major Business

9.4.3 AAF International ePTFE Air Filtration Membrane Product and Services

9.4.4 AAF International ePTFE Air Filtration Membrane Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.4.5 AAF International Recent Developments/Updates

9.4.6 AAF International Competitive Strengths & Weaknesses

9.5 Camfil

9.5.1 Camfil Details

9.5.2 Camfil Major Business

9.5.3 Camfil ePTFE Air Filtration Membrane Product and Services

9.5.4 Camfil ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin

and Market Share (2021-2026)

9.5.5 Camfil Recent Developments/Updates

9.5.6 Camfil Competitive Strengths & Weaknesses

9.6 MANN+HUMMEL

9.6.1 MANN+HUMMEL Details

9.6.2 MANN+HUMMEL Major Business

9.6.3 MANN+HUMMEL ePTFE Air Filtration Membrane Product and Services

9.6.4 MANN+HUMMEL ePTFE Air Filtration Membrane Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.6.5 MANN+HUMMEL Recent Developments/Updates

9.6.6 MANN+HUMMEL Competitive Strengths & Weaknesses

9.7 Freudenberg Filtration Technologies

9.7.1 Freudenberg Filtration Technologies Details

9.7.2 Freudenberg Filtration Technologies Major Business

9.7.3 Freudenberg Filtration Technologies ePTFE Air Filtration Membrane Product and Services

9.7.4 Freudenberg Filtration Technologies ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Freudenberg Filtration Technologies Recent Developments/Updates

9.7.6 Freudenberg Filtration Technologies Competitive Strengths & Weaknesses

9.8 Sartorius

9.8.1 Sartorius Details

9.8.2 Sartorius Major Business

- 9.8.3 Sartorius ePTFE Air Filtration Membrane Product and Services
- 9.8.4 Sartorius ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.8.5 Sartorius Recent Developments/Updates
- 9.8.6 Sartorius Competitive Strengths & Weaknesses
- 9.9 GVS
 - 9.9.1 GVS Details
 - 9.9.2 GVS Major Business
 - 9.9.3 GVS ePTFE Air Filtration Membrane Product and Services
 - 9.9.4 GVS ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 GVS Recent Developments/Updates
 - 9.9.6 GVS Competitive Strengths & Weaknesses
- 9.10 Daikin
 - 9.10.1 Daikin Details
 - 9.10.2 Daikin Major Business
 - 9.10.3 Daikin ePTFE Air Filtration Membrane Product and Services
 - 9.10.4 Daikin ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Daikin Recent Developments/Updates
 - 9.10.6 Daikin Competitive Strengths & Weaknesses
- 9.11 Nitto Denko
 - 9.11.1 Nitto Denko Details
 - 9.11.2 Nitto Denko Major Business
 - 9.11.3 Nitto Denko ePTFE Air Filtration Membrane Product and Services
 - 9.11.4 Nitto Denko ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Nitto Denko Recent Developments/Updates
 - 9.11.6 Nitto Denko Competitive Strengths & Weaknesses
- 9.12 JINYOU Fluorine Materials
 - 9.12.1 JINYOU Fluorine Materials Details
 - 9.12.2 JINYOU Fluorine Materials Major Business
 - 9.12.3 JINYOU Fluorine Materials ePTFE Air Filtration Membrane Product and Services
 - 9.12.4 JINYOU Fluorine Materials ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 JINYOU Fluorine Materials Recent Developments/Updates
 - 9.12.6 JINYOU Fluorine Materials Competitive Strengths & Weaknesses
- 9.13 Cobetter

- 9.13.1 Cobetter Details
- 9.13.2 Cobetter Major Business
- 9.13.3 Cobetter ePTFE Air Filtration Membrane Product and Services
- 9.13.4 Cobetter ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.13.5 Cobetter Recent Developments/Updates
- 9.13.6 Cobetter Competitive Strengths & Weaknesses
- 9.14 Yuanchen Technology
 - 9.14.1 Yuanchen Technology Details
 - 9.14.2 Yuanchen Technology Major Business
 - 9.14.3 Yuanchen Technology ePTFE Air Filtration Membrane Product and Services
 - 9.14.4 Yuanchen Technology ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Yuanchen Technology Recent Developments/Updates
 - 9.14.6 Yuanchen Technology Competitive Strengths & Weaknesses
- 9.15 Zhaohui Filtration Technology
 - 9.15.1 Zhaohui Filtration Technology Details
 - 9.15.2 Zhaohui Filtration Technology Major Business
 - 9.15.3 Zhaohui Filtration Technology ePTFE Air Filtration Membrane Product and Services
 - 9.15.4 Zhaohui Filtration Technology ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Zhaohui Filtration Technology Recent Developments/Updates
 - 9.15.6 Zhaohui Filtration Technology Competitive Strengths & Weaknesses
- 9.16 Mingguan Purification Materials
 - 9.16.1 Mingguan Purification Materials Details
 - 9.16.2 Mingguan Purification Materials Major Business
 - 9.16.3 Mingguan Purification Materials ePTFE Air Filtration Membrane Product and Services
 - 9.16.4 Mingguan Purification Materials ePTFE Air Filtration Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Mingguan Purification Materials Recent Developments/Updates
 - 9.16.6 Mingguan Purification Materials Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 ePTFE Air Filtration Membrane Industry Chain
- 10.2 ePTFE Air Filtration Membrane Upstream Analysis
 - 10.2.1 ePTFE Air Filtration Membrane Core Raw Materials

- 10.2.2 Main Manufacturers of ePTFE Air Filtration Membrane Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 ePTFE Air Filtration Membrane Production Mode
- 10.6 ePTFE Air Filtration Membrane Procurement Model
- 10.7 ePTFE Air Filtration Membrane Industry Sales Model and Sales Channels
 - 10.7.1 ePTFE Air Filtration Membrane Sales Model
 - 10.7.2 ePTFE Air Filtration Membrane Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World ePTFE Air Filtration Membrane Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World ePTFE Air Filtration Membrane Production Value by Region (2021-2026) & (USD Million)

Table 3. World ePTFE Air Filtration Membrane Production Value by Region (2027-2032) & (USD Million)

Table 4. World ePTFE Air Filtration Membrane Production Value Market Share by Region (2021-2026)

Table 5. World ePTFE Air Filtration Membrane Production Value Market Share by Region (2027-2032)

Table 6. World ePTFE Air Filtration Membrane Production by Region (2021-2026) & (K Sqm)

Table 7. World ePTFE Air Filtration Membrane Production by Region (2027-2032) & (K Sqm)

Table 8. World ePTFE Air Filtration Membrane Production Market Share by Region (2021-2026)

Table 9. World ePTFE Air Filtration Membrane Production Market Share by Region (2027-2032)

Table 10. World ePTFE Air Filtration Membrane Average Price by Region (2021-2026) & (US\$/Sq m)

Table 11. World ePTFE Air Filtration Membrane Average Price by Region (2027-2032) & (US\$/Sq m)

Table 12. ePTFE Air Filtration Membrane Major Market Trends

Table 13. World ePTFE Air Filtration Membrane Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Sqm)

Table 14. World ePTFE Air Filtration Membrane Consumption by Region (2021-2026) & (K Sqm)

Table 15. World ePTFE Air Filtration Membrane Consumption Forecast by Region (2027-2032) & (K Sqm)

Table 16. World ePTFE Air Filtration Membrane Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key ePTFE Air Filtration Membrane Producers in 2025

Table 18. World ePTFE Air Filtration Membrane Production by Manufacturer (2021-2026) & (K Sqm)

Table 19. Production Market Share of Key ePTFE Air Filtration Membrane Producers in 2025

Table 20. World ePTFE Air Filtration Membrane Average Price by Manufacturer (2021-2026) & (US\$/Sq m)

Table 21. Global ePTFE Air Filtration Membrane Company Evaluation Quadrant

Table 22. World ePTFE Air Filtration Membrane Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and ePTFE Air Filtration Membrane Production Site of Key Manufacturer

Table 24. ePTFE Air Filtration Membrane Market: Company Product Type Footprint

Table 25. ePTFE Air Filtration Membrane Market: Company Product Application Footprint

Table 26. ePTFE Air Filtration Membrane Competitive Factors

Table 27. ePTFE Air Filtration Membrane New Entrant and Capacity Expansion Plans

Table 28. ePTFE Air Filtration Membrane Mergers & Acquisitions Activity

Table 29. United States VS China ePTFE Air Filtration Membrane Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China ePTFE Air Filtration Membrane Production Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 31. United States VS China ePTFE Air Filtration Membrane Consumption Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 32. United States Based ePTFE Air Filtration Membrane Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers ePTFE Air Filtration Membrane Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers ePTFE Air Filtration Membrane Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers ePTFE Air Filtration Membrane Production (2021-2026) & (K Sqm)

Table 36. United States Based Manufacturers ePTFE Air Filtration Membrane Production Market Share (2021-2026)

Table 37. China Based ePTFE Air Filtration Membrane Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers ePTFE Air Filtration Membrane Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers ePTFE Air Filtration Membrane Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers ePTFE Air Filtration Membrane Production, (2021-2026) & (K Sqm)

Table 41. China Based Manufacturers ePTFE Air Filtration Membrane Production Market Share (2021-2026)

Table 42. Rest of World Based ePTFE Air Filtration Membrane Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production, (2021-2026) & (K Sqm)

Table 46. Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production Market Share (2021-2026)

Table 47. World ePTFE Air Filtration Membrane Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World ePTFE Air Filtration Membrane Production by Type (2021-2026) & (K Sqm)

Table 49. World ePTFE Air Filtration Membrane Production by Type (2027-2032) & (K Sqm)

Table 50. World ePTFE Air Filtration Membrane Production Value by Type (2021-2026) & (USD Million)

Table 51. World ePTFE Air Filtration Membrane Production Value by Type (2027-2032) & (USD Million)

Table 52. World ePTFE Air Filtration Membrane Average Price by Type (2021-2026) & (US\$/Sq m)

Table 53. World ePTFE Air Filtration Membrane Average Price by Type (2027-2032) & (US\$/Sq m)

Table 54. World ePTFE Air Filtration Membrane Production Value by Base Material, (USD Million), 2021 & 2025 & 2032

Table 55. World ePTFE Air Filtration Membrane Production by Base Material (2021-2026) & (K Sqm)

Table 56. World ePTFE Air Filtration Membrane Production by Base Material (2027-2032) & (K Sqm)

Table 57. World ePTFE Air Filtration Membrane Production Value by Base Material (2021-2026) & (USD Million)

Table 58. World ePTFE Air Filtration Membrane Production Value by Base Material (2027-2032) & (USD Million)

Table 59. World ePTFE Air Filtration Membrane Average Price by Base Material (2021-2026) & (US\$/Sq m)

Table 60. World ePTFE Air Filtration Membrane Average Price by Base Material

(2027-2032) & (US\$/Sq m)

Table 61. World ePTFE Air Filtration Membrane Production Value by Filtration Efficiency, (USD Million), 2021 & 2025 & 2032

Table 62. World ePTFE Air Filtration Membrane Production by Filtration Efficiency (2021-2026) & (K Sqm)

Table 63. World ePTFE Air Filtration Membrane Production by Filtration Efficiency (2027-2032) & (K Sqm)

Table 64. World ePTFE Air Filtration Membrane Production Value by Filtration Efficiency (2021-2026) & (USD Million)

Table 65. World ePTFE Air Filtration Membrane Production Value by Filtration Efficiency (2027-2032) & (USD Million)

Table 66. World ePTFE Air Filtration Membrane Average Price by Filtration Efficiency (2021-2026) & (US\$/Sq m)

Table 67. World ePTFE Air Filtration Membrane Average Price by Filtration Efficiency (2027-2032) & (US\$/Sq m)

Table 68. World ePTFE Air Filtration Membrane Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World ePTFE Air Filtration Membrane Production by Application (2021-2026) & (K Sqm)

Table 70. World ePTFE Air Filtration Membrane Production by Application (2027-2032) & (K Sqm)

Table 71. World ePTFE Air Filtration Membrane Production Value by Application (2021-2026) & (USD Million)

Table 72. World ePTFE Air Filtration Membrane Production Value by Application (2027-2032) & (USD Million)

Table 73. World ePTFE Air Filtration Membrane Average Price by Application (2021-2026) & (US\$/Sq m)

Table 74. World ePTFE Air Filtration Membrane Average Price by Application (2027-2032) & (US\$/Sq m)

Table 75. W. L. Gore & Associates Basic Information, Manufacturing Base and Competitors

Table 76. W. L. Gore & Associates Major Business

Table 77. W. L. Gore & Associates ePTFE Air Filtration Membrane Product and Services

Table 78. W. L. Gore & Associates ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. W. L. Gore & Associates Recent Developments/Updates

Table 80. W. L. Gore & Associates Competitive Strengths & Weaknesses

Table 81. Donaldson Basic Information, Manufacturing Base and Competitors

Table 82. Donaldson Major Business

Table 83. Donaldson ePTFE Air Filtration Membrane Product and Services

Table 84. Donaldson ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Donaldson Recent Developments/Updates

Table 86. Donaldson Competitive Strengths & Weaknesses

Table 87. Pall Basic Information, Manufacturing Base and Competitors

Table 88. Pall Major Business

Table 89. Pall ePTFE Air Filtration Membrane Product and Services

Table 90. Pall ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Pall Recent Developments/Updates

Table 92. Pall Competitive Strengths & Weaknesses

Table 93. AAF International Basic Information, Manufacturing Base and Competitors

Table 94. AAF International Major Business

Table 95. AAF International ePTFE Air Filtration Membrane Product and Services

Table 96. AAF International ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. AAF International Recent Developments/Updates

Table 98. AAF International Competitive Strengths & Weaknesses

Table 99. Camfil Basic Information, Manufacturing Base and Competitors

Table 100. Camfil Major Business

Table 101. Camfil ePTFE Air Filtration Membrane Product and Services

Table 102. Camfil ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Camfil Recent Developments/Updates

Table 104. Camfil Competitive Strengths & Weaknesses

Table 105. MANN+HUMMEL Basic Information, Manufacturing Base and Competitors

Table 106. MANN+HUMMEL Major Business

Table 107. MANN+HUMMEL ePTFE Air Filtration Membrane Product and Services

Table 108. MANN+HUMMEL ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. MANN+HUMMEL Recent Developments/Updates

Table 110. MANN+HUMMEL Competitive Strengths & Weaknesses

Table 111. Freudenberg Filtration Technologies Basic Information, Manufacturing Base

and Competitors

Table 112. Freudenberg Filtration Technologies Major Business

Table 113. Freudenberg Filtration Technologies ePTFE Air Filtration Membrane Product and Services

Table 114. Freudenberg Filtration Technologies ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Freudenberg Filtration Technologies Recent Developments/Updates

Table 116. Freudenberg Filtration Technologies Competitive Strengths & Weaknesses

Table 117. Sartorius Basic Information, Manufacturing Base and Competitors

Table 118. Sartorius Major Business

Table 119. Sartorius ePTFE Air Filtration Membrane Product and Services

Table 120. Sartorius ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Sartorius Recent Developments/Updates

Table 122. Sartorius Competitive Strengths & Weaknesses

Table 123. GVS Basic Information, Manufacturing Base and Competitors

Table 124. GVS Major Business

Table 125. GVS ePTFE Air Filtration Membrane Product and Services

Table 126. GVS ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. GVS Recent Developments/Updates

Table 128. GVS Competitive Strengths & Weaknesses

Table 129. Daikin Basic Information, Manufacturing Base and Competitors

Table 130. Daikin Major Business

Table 131. Daikin ePTFE Air Filtration Membrane Product and Services

Table 132. Daikin ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Daikin Recent Developments/Updates

Table 134. Daikin Competitive Strengths & Weaknesses

Table 135. Nitto Denko Basic Information, Manufacturing Base and Competitors

Table 136. Nitto Denko Major Business

Table 137. Nitto Denko ePTFE Air Filtration Membrane Product and Services

Table 138. Nitto Denko ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Nitto Denko Recent Developments/Updates

Table 140. Nitto Denko Competitive Strengths & Weaknesses

Table 141. JINYOU Fluorine Materials Basic Information, Manufacturing Base and

Competitors

Table 142. JINYOU Fluorine Materials Major Business

Table 143. JINYOU Fluorine Materials ePTFE Air Filtration Membrane Product and Services

Table 144. JINYOU Fluorine Materials ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. JINYOU Fluorine Materials Recent Developments/Updates

Table 146. JINYOU Fluorine Materials Competitive Strengths & Weaknesses

Table 147. Cobetter Basic Information, Manufacturing Base and Competitors

Table 148. Cobetter Major Business

Table 149. Cobetter ePTFE Air Filtration Membrane Product and Services

Table 150. Cobetter ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Cobetter Recent Developments/Updates

Table 152. Cobetter Competitive Strengths & Weaknesses

Table 153. Yuanchen Technology Basic Information, Manufacturing Base and Competitors

Table 154. Yuanchen Technology Major Business

Table 155. Yuanchen Technology ePTFE Air Filtration Membrane Product and Services

Table 156. Yuanchen Technology ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Yuanchen Technology Recent Developments/Updates

Table 158. Yuanchen Technology Competitive Strengths & Weaknesses

Table 159. Zhaohui Filtration Technology Basic Information, Manufacturing Base and Competitors

Table 160. Zhaohui Filtration Technology Major Business

Table 161. Zhaohui Filtration Technology ePTFE Air Filtration Membrane Product and Services

Table 162. Zhaohui Filtration Technology ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Zhaohui Filtration Technology Recent Developments/Updates

Table 164. Zhaohui Filtration Technology Competitive Strengths & Weaknesses

Table 165. Mingguan Purification Materials Basic Information, Manufacturing Base and Competitors

Table 166. Mingguan Purification Materials Major Business

Table 167. Mingguan Purification Materials ePTFE Air Filtration Membrane Product and

Services

Table 168. Mingguan Purification Materials ePTFE Air Filtration Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Mingguan Purification Materials Recent Developments/Updates

Table 170. Mingguan Purification Materials Competitive Strengths & Weaknesses

Table 171. Global Key Players of ePTFE Air Filtration Membrane Upstream (Raw Materials)

Table 172. Global ePTFE Air Filtration Membrane Typical Customers

Table 173. ePTFE Air Filtration Membrane Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. ePTFE Air Filtration Membrane Picture

Figure 2. World ePTFE Air Filtration Membrane Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World ePTFE Air Filtration Membrane Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 5. World ePTFE Air Filtration Membrane Average Price (2021-2032) & (US\$/Sq m)

Figure 6. World ePTFE Air Filtration Membrane Production Value Market Share by Region (2021-2032)

Figure 7. World ePTFE Air Filtration Membrane Production Market Share by Region (2021-2032)

Figure 8. North America ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 9. Europe ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 10. China ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 11. Japan ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 12. India ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 13. Southeast Asia ePTFE Air Filtration Membrane Production (2021-2032) & (K Sqm)

Figure 14. ePTFE Air Filtration Membrane Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 17. World ePTFE Air Filtration Membrane Consumption Market Share by Region (2021-2032)

Figure 18. United States ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 19. China ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 20. Europe ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 21. Japan ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 22. South Korea ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 23. ASEAN ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 24. India ePTFE Air Filtration Membrane Consumption (2021-2032) & (K Sqm)

Figure 25. Producer Shipments of ePTFE Air Filtration Membrane by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for ePTFE Air Filtration Membrane Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for ePTFE Air Filtration Membrane Markets in 2025

Figure 28. United States VS China: ePTFE Air Filtration Membrane Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: ePTFE Air Filtration Membrane Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: ePTFE Air Filtration Membrane Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers ePTFE Air Filtration Membrane Production Market Share 2025

Figure 32. China Based Manufacturers ePTFE Air Filtration Membrane Production Market Share 2025

Figure 33. Rest of World Based Manufacturers ePTFE Air Filtration Membrane Production Market Share 2025

Figure 34. World ePTFE Air Filtration Membrane Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World ePTFE Air Filtration Membrane Production Value Market Share by Type in 2025

Figure 36. Unsupported ePTFE Membrane

Figure 37. Supported ePTFE Membrane

Figure 38. Laminated ePTFE Membrane

Figure 39. Adhesive-backed ePTFE Membrane

Figure 40. Reinforced ePTFE Membrane

Figure 41. World ePTFE Air Filtration Membrane Production Market Share by Type (2021-2032)

Figure 42. World ePTFE Air Filtration Membrane Production Value Market Share by Type (2021-2032)

Figure 43. World ePTFE Air Filtration Membrane Average Price by Type (2021-2032) & (US\$/Sq m)

Figure 44. World ePTFE Air Filtration Membrane Production Value by Base Material, (USD Million), 2021 & 2025 & 2032

Figure 45. World ePTFE Air Filtration Membrane Production Value Market Share by Base Material in 2025

Figure 46. Polyester Nonwoven-based Membrane

Figure 47. Polypropylene Nonwoven-based Membrane

Figure 48. Fiberglass-based Membrane

Figure 49. PPS Felt-based Membrane

Figure 50. Aramid Felt-based Membrane

Figure 51. Polyimide Felt-based Membrane

Figure 52. PTFE Felt-based Membrane

Figure 53. PTFE Felt-based Membrane

Figure 54. World ePTFE Air Filtration Membrane Production Market Share by Base Material (2021-2032)

Figure 55. World ePTFE Air Filtration Membrane Production Value Market Share by Base Material (2021-2032)

Figure 56. World ePTFE Air Filtration Membrane Average Price by Base Material (2021-2032) & (US\$/Sq m)

Figure 57. World ePTFE Air Filtration Membrane Production Value by Filtration Efficiency, (USD Million), 2021 & 2025 & 2032

Figure 58. World ePTFE Air Filtration Membrane Production Value Market Share by Filtration Efficiency in 2025

Figure 59. Medium-efficiency ePTFE Filter Membrane

Figure 60. High-efficiency ePTFE Filter Membrane

Figure 61. HEPA-grade ePTFE Filter Membrane

Figure 62. ULPA-grade ePTFE Filter Membrane

Figure 63. World ePTFE Air Filtration Membrane Production Market Share by Filtration Efficiency (2021-2032)

Figure 64. World ePTFE Air Filtration Membrane Production Value Market Share by Filtration Efficiency (2021-2032)

Figure 65. World ePTFE Air Filtration Membrane Average Price by Filtration Efficiency (2021-2032) & (US\$/Sq m)

Figure 66. World ePTFE Air Filtration Membrane Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 67. World ePTFE Air Filtration Membrane Production Value Market Share by Application in 2025

Figure 68. Industrial

Figure 69. Semiconductor

Figure 70. Pharmaceutical and Biotechnology

Figure 71. Food and Beverage Processing

Figure 72. Automotive

Figure 73. Medical

Figure 74. World ePTFE Air Filtration Membrane Production Market Share by Application (2021-2032)

Figure 75. World ePTFE Air Filtration Membrane Production Value Market Share by

Application (2021-2032)

Figure 76. World ePTFE Air Filtration Membrane Average Price by Application (2021-2032) & (US\$/Sq m)

Figure 77. ePTFE Air Filtration Membrane Industry Chain

Figure 78. ePTFE Air Filtration Membrane Procurement Model

Figure 79. ePTFE Air Filtration Membrane Sales Model

Figure 80. ePTFE Air Filtration Membrane Sales Channels, Direct Sales, and Distribution

Figure 81. Methodology

Figure 82. Research Process and Data Source

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