

Global FPD Pellicle Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global FPD Pellicle market size was valued at US\$ 186 million in 2024 and is forecast to a readjusted size of USD 279 million by 2031 with a CAGR of 5.1% during review period.

The FPD pellicle is a part of the photomask. As a covering, the pellicle is suspended above the photomask to form a physical barrier. Even if particles fall on it, they will not touch the mask itself. The pellicle can effectively prevent mask contamination and plays a vital role in improving production efficiency and chip quality.

With the widespread application of display technologies such as OLED, LCD, and MicroLED, the demand for display protection during the production process is also growing. FPD Pellicle can effectively prevent display panels from being contaminated by particulate matter during the production process, thereby improving the quality and yield of display panels. In addition, as panel production advances to larger sizes and higher-generation production lines, the demand for Pellicle is gradually increasing. High-generation production lines (such as 10.5 generations and higher) require more sophisticated and efficient protection solutions.

The Asia-Pacific is one of the main markets in the FPD Pellicle market, especially in countries such as China and South Korea, where the production scale of flat panel displays is large and there are multiple display manufacturing giants. The demand for high-generation and high-quality panels in the region has led to a continuous increase in the demand for FPD Pellicle.

Mitsui Chemicals, Shin-Etsu Chemical, and FST are leading companies in the industry. Asahi Kasei's own protective film business was first commercialized in 1986. Since

then, the business has been supporting the market as the number one supplier in the FPD protective film market. By acquiring this business in 2022, Mitsui Chemicals aims to combine its own protective film business in cutting-edge fields with Asahi Kasei's extensive protective film business portfolio to become a comprehensive protective film manufacturer, thereby consolidating its leading position on the global stage.

This report is a detailed and comprehensive analysis for global FPD Pellicle market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global FPD Pellicle market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (USD/Sqm), 2020-2031

Global FPD Pellicle market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (USD/Sqm), 2020-2031

Global FPD Pellicle market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (USD/Sqm), 2020-2031

Global FPD Pellicle market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (USD/Sqm), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for FPD Pellicle
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global FPD Pellicle market based on the following

parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MITSUI Chemical, FINE SEMITECH, Shin-Etsu, S&S Tech, etc.

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

Market Segmentation

FPD Pellicle market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Pellicle for Quartz Mask

Pellicle for Soda Mask

Market segment by Application

TFT-LCD

OLED

Others

Major players covered

MITSUI Chemical

FINE SEMITECH

Shin-Etsu

S&S Tech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe FPD Pellicle product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of FPD Pellicle, with price, sales quantity, revenue, and global market share of FPD Pellicle from 2020 to 2025.

Chapter 3, the FPD Pellicle competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the FPD Pellicle breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and FPD Pellicle market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of FPD Pellicle.

Chapter 14 and 15, to describe FPD Pellicle sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global FPD Pellicle Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Pellicle for Quartz Mask

1.3.3 Pellicle for Soda Mask

1.4 Market Analysis by Application

1.4.1 Overview: Global FPD Pellicle Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 TFT-LCD

1.4.3 OLED

1.4.4 Others

1.5 Global FPD Pellicle Market Size & Forecast

1.5.1 Global FPD Pellicle Consumption Value (2020 & 2024 & 2031)

1.5.2 Global FPD Pellicle Sales Quantity (2020-2031)

1.5.3 Global FPD Pellicle Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 MITSUI Chemical

2.1.1 MITSUI Chemical Details

2.1.2 MITSUI Chemical Major Business

2.1.3 MITSUI Chemical FPD Pellicle Product and Services

2.1.4 MITSUI Chemical FPD Pellicle Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 MITSUI Chemical Recent Developments/Updates

2.2 FINE SEMITECH

2.2.1 FINE SEMITECH Details

2.2.2 FINE SEMITECH Major Business

2.2.3 FINE SEMITECH FPD Pellicle Product and Services

2.2.4 FINE SEMITECH FPD Pellicle Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 FINE SEMITECH Recent Developments/Updates

2.3 Shin-Etsu

- 2.3.1 Shin-Etsu Details
- 2.3.2 Shin-Etsu Major Business
- 2.3.3 Shin-Etsu FPD Pellicle Product and Services
- 2.3.4 Shin-Etsu FPD Pellicle Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 Shin-Etsu Recent Developments/Updates
- 2.4 S&S Tech
 - 2.4.1 S&S Tech Details
 - 2.4.2 S&S Tech Major Business
 - 2.4.3 S&S Tech FPD Pellicle Product and Services
 - 2.4.4 S&S Tech FPD Pellicle Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 S&S Tech Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: FPD PELLICLE BY MANUFACTURER

- 3.1 Global FPD Pellicle Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global FPD Pellicle Revenue by Manufacturer (2020-2025)
- 3.3 Global FPD Pellicle Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of FPD Pellicle by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 FPD Pellicle Manufacturer Market Share in 2024
 - 3.4.3 Top 6 FPD Pellicle Manufacturer Market Share in 2024
- 3.5 FPD Pellicle Market: Overall Company Footprint Analysis
 - 3.5.1 FPD Pellicle Market: Region Footprint
 - 3.5.2 FPD Pellicle Market: Company Product Type Footprint
 - 3.5.3 FPD Pellicle Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global FPD Pellicle Market Size by Region
 - 4.1.1 Global FPD Pellicle Sales Quantity by Region (2020-2031)
 - 4.1.2 Global FPD Pellicle Consumption Value by Region (2020-2031)
 - 4.1.3 Global FPD Pellicle Average Price by Region (2020-2031)
- 4.2 North America FPD Pellicle Consumption Value (2020-2031)
- 4.3 Europe FPD Pellicle Consumption Value (2020-2031)

- 4.4 Asia-Pacific FPD Pellicle Consumption Value (2020-2031)
- 4.5 South America FPD Pellicle Consumption Value (2020-2031)
- 4.6 Middle East & Africa FPD Pellicle Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global FPD Pellicle Sales Quantity by Type (2020-2031)
- 5.2 Global FPD Pellicle Consumption Value by Type (2020-2031)
- 5.3 Global FPD Pellicle Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global FPD Pellicle Sales Quantity by Application (2020-2031)
- 6.2 Global FPD Pellicle Consumption Value by Application (2020-2031)
- 6.3 Global FPD Pellicle Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America FPD Pellicle Sales Quantity by Type (2020-2031)
- 7.2 North America FPD Pellicle Sales Quantity by Application (2020-2031)
- 7.3 North America FPD Pellicle Market Size by Country
 - 7.3.1 North America FPD Pellicle Sales Quantity by Country (2020-2031)
 - 7.3.2 North America FPD Pellicle Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe FPD Pellicle Sales Quantity by Type (2020-2031)
- 8.2 Europe FPD Pellicle Sales Quantity by Application (2020-2031)
- 8.3 Europe FPD Pellicle Market Size by Country
 - 8.3.1 Europe FPD Pellicle Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe FPD Pellicle Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific FPD Pellicle Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific FPD Pellicle Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific FPD Pellicle Market Size by Region

9.3.1 Asia-Pacific FPD Pellicle Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific FPD Pellicle Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America FPD Pellicle Sales Quantity by Type (2020-2031)

10.2 South America FPD Pellicle Sales Quantity by Application (2020-2031)

10.3 South America FPD Pellicle Market Size by Country

10.3.1 South America FPD Pellicle Sales Quantity by Country (2020-2031)

10.3.2 South America FPD Pellicle Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa FPD Pellicle Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa FPD Pellicle Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa FPD Pellicle Market Size by Country

11.3.1 Middle East & Africa FPD Pellicle Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa FPD Pellicle Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 FPD Pellicle Market Drivers
- 12.2 FPD Pellicle Market Restraints
- 12.3 FPD Pellicle Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of FPD Pellicle and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of FPD Pellicle
- 13.3 FPD Pellicle Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 FPD Pellicle Typical Distributors
- 14.3 FPD Pellicle Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global FPD Pellicle Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global FPD Pellicle Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. MITSUI Chemical Basic Information, Manufacturing Base and Competitors

Table 4. MITSUI Chemical Major Business

Table 5. MITSUI Chemical FPD Pellicle Product and Services

Table 6. MITSUI Chemical FPD Pellicle Sales Quantity (K Sqm), Average Price (USD/Sqm), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. MITSUI Chemical Recent Developments/Updates

Table 8. FINE SEMITECH Basic Information, Manufacturing Base and Competitors

Table 9. FINE SEMITECH Major Business

Table 10. FINE SEMITECH FPD Pellicle Product and Services

Table 11. FINE SEMITECH FPD Pellicle Sales Quantity (K Sqm), Average Price (USD/Sqm), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. FINE SEMITECH Recent Developments/Updates

Table 13. Shin-Etsu Basic Information, Manufacturing Base and Competitors

Table 14. Shin-Etsu Major Business

Table 15. Shin-Etsu FPD Pellicle Product and Services

Table 16. Shin-Etsu FPD Pellicle Sales Quantity (K Sqm), Average Price (USD/Sqm), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Shin-Etsu Recent Developments/Updates

Table 18. S&S Tech Basic Information, Manufacturing Base and Competitors

Table 19. S&S Tech Major Business

Table 20. S&S Tech FPD Pellicle Product and Services

Table 21. S&S Tech FPD Pellicle Sales Quantity (K Sqm), Average Price (USD/Sqm), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. S&S Tech Recent Developments/Updates

Table 23. Global FPD Pellicle Sales Quantity by Manufacturer (2020-2025) & (K Sqm)

Table 24. Global FPD Pellicle Revenue by Manufacturer (2020-2025) & (USD Million)

Table 25. Global FPD Pellicle Average Price by Manufacturer (2020-2025) & (USD/Sqm)

Table 26. Market Position of Manufacturers in FPD Pellicle, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 27. Head Office and FPD Pellicle Production Site of Key Manufacturer

Table 28. FPD Pellicle Market: Company Product Type Footprint
Table 29. FPD Pellicle Market: Company Product Application Footprint
Table 30. FPD Pellicle New Market Entrants and Barriers to Market Entry
Table 31. FPD Pellicle Mergers, Acquisition, Agreements, and Collaborations
Table 32. Global FPD Pellicle Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR
Table 33. Global FPD Pellicle Sales Quantity by Region (2020-2025) & (K Sqm)
Table 34. Global FPD Pellicle Sales Quantity by Region (2026-2031) & (K Sqm)
Table 35. Global FPD Pellicle Consumption Value by Region (2020-2025) & (USD Million)
Table 36. Global FPD Pellicle Consumption Value by Region (2026-2031) & (USD Million)
Table 37. Global FPD Pellicle Average Price by Region (2020-2025) & (USD/Sqm)
Table 38. Global FPD Pellicle Average Price by Region (2026-2031) & (USD/Sqm)
Table 39. Global FPD Pellicle Sales Quantity by Type (2020-2025) & (K Sqm)
Table 40. Global FPD Pellicle Sales Quantity by Type (2026-2031) & (K Sqm)
Table 41. Global FPD Pellicle Consumption Value by Type (2020-2025) & (USD Million)
Table 42. Global FPD Pellicle Consumption Value by Type (2026-2031) & (USD Million)
Table 43. Global FPD Pellicle Average Price by Type (2020-2025) & (USD/Sqm)
Table 44. Global FPD Pellicle Average Price by Type (2026-2031) & (USD/Sqm)
Table 45. Global FPD Pellicle Sales Quantity by Application (2020-2025) & (K Sqm)
Table 46. Global FPD Pellicle Sales Quantity by Application (2026-2031) & (K Sqm)
Table 47. Global FPD Pellicle Consumption Value by Application (2020-2025) & (USD Million)
Table 48. Global FPD Pellicle Consumption Value by Application (2026-2031) & (USD Million)
Table 49. Global FPD Pellicle Average Price by Application (2020-2025) & (USD/Sqm)
Table 50. Global FPD Pellicle Average Price by Application (2026-2031) & (USD/Sqm)
Table 51. North America FPD Pellicle Sales Quantity by Type (2020-2025) & (K Sqm)
Table 52. North America FPD Pellicle Sales Quantity by Type (2026-2031) & (K Sqm)
Table 53. North America FPD Pellicle Sales Quantity by Application (2020-2025) & (K Sqm)
Table 54. North America FPD Pellicle Sales Quantity by Application (2026-2031) & (K Sqm)
Table 55. North America FPD Pellicle Sales Quantity by Country (2020-2025) & (K Sqm)
Table 56. North America FPD Pellicle Sales Quantity by Country (2026-2031) & (K Sqm)
Table 57. North America FPD Pellicle Consumption Value by Country (2020-2025) &

(USD Million)

Table 58. North America FPD Pellicle Consumption Value by Country (2026-2031) & (USD Million)

Table 59. Europe FPD Pellicle Sales Quantity by Type (2020-2025) & (K Sqm)

Table 60. Europe FPD Pellicle Sales Quantity by Type (2026-2031) & (K Sqm)

Table 61. Europe FPD Pellicle Sales Quantity by Application (2020-2025) & (K Sqm)

Table 62. Europe FPD Pellicle Sales Quantity by Application (2026-2031) & (K Sqm)

Table 63. Europe FPD Pellicle Sales Quantity by Country (2020-2025) & (K Sqm)

Table 64. Europe FPD Pellicle Sales Quantity by Country (2026-2031) & (K Sqm)

Table 65. Europe FPD Pellicle Consumption Value by Country (2020-2025) & (USD Million)

Table 66. Europe FPD Pellicle Consumption Value by Country (2026-2031) & (USD Million)

Table 67. Asia-Pacific FPD Pellicle Sales Quantity by Type (2020-2025) & (K Sqm)

Table 68. Asia-Pacific FPD Pellicle Sales Quantity by Type (2026-2031) & (K Sqm)

Table 69. Asia-Pacific FPD Pellicle Sales Quantity by Application (2020-2025) & (K Sqm)

Table 70. Asia-Pacific FPD Pellicle Sales Quantity by Application (2026-2031) & (K Sqm)

Table 71. Asia-Pacific FPD Pellicle Sales Quantity by Region (2020-2025) & (K Sqm)

Table 72. Asia-Pacific FPD Pellicle Sales Quantity by Region (2026-2031) & (K Sqm)

Table 73. Asia-Pacific FPD Pellicle Consumption Value by Region (2020-2025) & (USD Million)

Table 74. Asia-Pacific FPD Pellicle Consumption Value by Region (2026-2031) & (USD Million)

Table 75. South America FPD Pellicle Sales Quantity by Type (2020-2025) & (K Sqm)

Table 76. South America FPD Pellicle Sales Quantity by Type (2026-2031) & (K Sqm)

Table 77. South America FPD Pellicle Sales Quantity by Application (2020-2025) & (K Sqm)

Table 78. South America FPD Pellicle Sales Quantity by Application (2026-2031) & (K Sqm)

Table 79. South America FPD Pellicle Sales Quantity by Country (2020-2025) & (K Sqm)

Table 80. South America FPD Pellicle Sales Quantity by Country (2026-2031) & (K Sqm)

Table 81. South America FPD Pellicle Consumption Value by Country (2020-2025) & (USD Million)

Table 82. South America FPD Pellicle Consumption Value by Country (2026-2031) & (USD Million)

Table 83. Middle East & Africa FPD Pellicle Sales Quantity by Type (2020-2025) & (K Sqm)

Table 84. Middle East & Africa FPD Pellicle Sales Quantity by Type (2026-2031) & (K Sqm)

Table 85. Middle East & Africa FPD Pellicle Sales Quantity by Application (2020-2025) & (K Sqm)

Table 86. Middle East & Africa FPD Pellicle Sales Quantity by Application (2026-2031) & (K Sqm)

Table 87. Middle East & Africa FPD Pellicle Sales Quantity by Country (2020-2025) & (K Sqm)

Table 88. Middle East & Africa FPD Pellicle Sales Quantity by Country (2026-2031) & (K Sqm)

Table 89. Middle East & Africa FPD Pellicle Consumption Value by Country (2020-2025) & (USD Million)

Table 90. Middle East & Africa FPD Pellicle Consumption Value by Country (2026-2031) & (USD Million)

Table 91. FPD Pellicle Raw Material

Table 92. Key Manufacturers of FPD Pellicle Raw Materials

Table 93. FPD Pellicle Typical Distributors

Table 94. FPD Pellicle Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. FPD Pellicle Picture

Figure 2. Global FPD Pellicle Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global FPD Pellicle Revenue Market Share by Type in 2024

Figure 4. Pellicle for Quartz Mask Examples

Figure 5. Pellicle for Soda Mask Examples

Figure 6. Global FPD Pellicle Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global FPD Pellicle Revenue Market Share by Application in 2024

Figure 8. TFT-LCD Examples

Figure 9. OLED Examples

Figure 10. Others Examples

Figure 11. Global FPD Pellicle Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 12. Global FPD Pellicle Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 13. Global FPD Pellicle Sales Quantity (2020-2031) & (K Sqm)

Figure 14. Global FPD Pellicle Price (2020-2031) & (USD/Sqm)

Figure 15. Global FPD Pellicle Sales Quantity Market Share by Manufacturer in 2024

Figure 16. Global FPD Pellicle Revenue Market Share by Manufacturer in 2024

Figure 17. Producer Shipments of FPD Pellicle by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 18. Top 3 FPD Pellicle Manufacturer (Revenue) Market Share in 2024

Figure 19. Top 6 FPD Pellicle Manufacturer (Revenue) Market Share in 2024

Figure 20. Global FPD Pellicle Sales Quantity Market Share by Region (2020-2031)

Figure 21. Global FPD Pellicle Consumption Value Market Share by Region (2020-2031)

Figure 22. North America FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 23. Europe FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 24. Asia-Pacific FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 25. South America FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 26. Middle East & Africa FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 27. Global FPD Pellicle Sales Quantity Market Share by Type (2020-2031)

Figure 28. Global FPD Pellicle Consumption Value Market Share by Type (2020-2031)

Figure 29. Global FPD Pellicle Average Price by Type (2020-2031) & (USD/Sqm)

Figure 30. Global FPD Pellicle Sales Quantity Market Share by Application (2020-2031)

Figure 31. Global FPD Pellicle Revenue Market Share by Application (2020-2031)

Figure 32. Global FPD Pellicle Average Price by Application (2020-2031) & (USD/Sqm)

Figure 33. North America FPD Pellicle Sales Quantity Market Share by Type (2020-2031)

Figure 34. North America FPD Pellicle Sales Quantity Market Share by Application (2020-2031)

Figure 35. North America FPD Pellicle Sales Quantity Market Share by Country (2020-2031)

Figure 36. North America FPD Pellicle Consumption Value Market Share by Country (2020-2031)

Figure 37. United States FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 38. Canada FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 39. Mexico FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 40. Europe FPD Pellicle Sales Quantity Market Share by Type (2020-2031)

Figure 41. Europe FPD Pellicle Sales Quantity Market Share by Application (2020-2031)

Figure 42. Europe FPD Pellicle Sales Quantity Market Share by Country (2020-2031)

Figure 43. Europe FPD Pellicle Consumption Value Market Share by Country (2020-2031)

Figure 44. Germany FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 45. France FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 46. United Kingdom FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 47. Russia FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 48. Italy FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 49. Asia-Pacific FPD Pellicle Sales Quantity Market Share by Type (2020-2031)

Figure 50. Asia-Pacific FPD Pellicle Sales Quantity Market Share by Application (2020-2031)

Figure 51. Asia-Pacific FPD Pellicle Sales Quantity Market Share by Region (2020-2031)

Figure 52. Asia-Pacific FPD Pellicle Consumption Value Market Share by Region (2020-2031)

Figure 53. China FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 54. Japan FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 55. South Korea FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 56. India FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 57. Southeast Asia FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 58. Australia FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 59. South America FPD Pellicle Sales Quantity Market Share by Type (2020-2031)

Figure 60. South America FPD Pellicle Sales Quantity Market Share by Application (2020-2031)

Figure 61. South America FPD Pellicle Sales Quantity Market Share by Country (2020-2031)

Figure 62. South America FPD Pellicle Consumption Value Market Share by Country (2020-2031)

Figure 63. Brazil FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 64. Argentina FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 65. Middle East & Africa FPD Pellicle Sales Quantity Market Share by Type (2020-2031)

Figure 66. Middle East & Africa FPD Pellicle Sales Quantity Market Share by Application (2020-2031)

Figure 67. Middle East & Africa FPD Pellicle Sales Quantity Market Share by Country (2020-2031)

Figure 68. Middle East & Africa FPD Pellicle Consumption Value Market Share by Country (2020-2031)

Figure 69. Turkey FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 70. Egypt FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 71. Saudi Arabia FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 72. South Africa FPD Pellicle Consumption Value (2020-2031) & (USD Million)

Figure 73. FPD Pellicle Market Drivers

Figure 74. FPD Pellicle Market Restraints

Figure 75. FPD Pellicle Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of FPD Pellicle in 2024

Figure 78. Manufacturing Process Analysis of FPD Pellicle

Figure 79. FPD Pellicle Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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