

Global Fluorine-Free Solar Backsheet Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/GDE04DB672EFEN.html

Date: February 2023 Pages: 112 Price: US\$ 4,480.00 (Single User License) ID: GDE04DB672EFEN

Abstracts

The global Fluorine-Free Solar Backsheet market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Fluorine-free solar backsheet is a photovoltaic backsheet without fluorine film. As an important part of isolating materials such as battery sheets and encapsulation film inside the module from the external environment, it is required to have excellent functions in terms of insulation, barrier and heat resistance. Fluorine-free backsheets are relatively poor in terms of their material properties in terms of resistance to damp heat, dry heat, and ultraviolet rays, and are mainly used in photovoltaic modules with relatively low weather resistance requirements.

This report studies the global Fluorine-Free Solar Backsheet production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fluorine-Free Solar Backsheet, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Fluorine-Free Solar Backsheet that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fluorine-Free Solar Backsheet total production and demand, 2018-2029, (K Sqm)

Global Fluorine-Free Solar Backsheet total production value, 2018-2029, (USD Million)



Global Fluorine-Free Solar Backsheet production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

Global Fluorine-Free Solar Backsheet consumption by region & country, CAGR, 2018-2029 & (K Sqm)

U.S. VS China: Fluorine-Free Solar Backsheet domestic production, consumption, key domestic manufacturers and share

Global Fluorine-Free Solar Backsheet production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Sqm)

Global Fluorine-Free Solar Backsheet production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

Global Fluorine-Free Solar Backsheet production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

This reports profiles key players in the global Fluorine-Free Solar Backsheet 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 DuPont, Arkema S.A., SKC, Coveme, KREMPEL, 3M, Toray Films, Crown Advanced Material and Cybrid Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Fluorine-Free Solar Backsheet market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sqm) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.



Global Fluorine-Free Solar Backsheet Market, By Region:

United States China Europe Japan South Korea ASEAN India Rest of World

Global Fluorine-Free Solar Backsheet Market, Segmentation by Type

Co-Extruded Fluorine-Free Solar Backsheet

Composite Fluorine-Free Solar Backsheet

Global Fluorine-Free Solar Backsheet Market, Segmentation by Application

Industrial

Commercial

Residential

Companies Profiled:

DuPont



Arkema S.A.

SKC

Coveme

KREMPEL

ЗM

Toray Films

Crown Advanced Material

Cybrid Technologies

Ningbo Solartron Technology

HANGZHOU FIRST APPLIED MATERIAL

Hubei Huitian New Materials

Key Questions Answered

1. How big is the global Fluorine-Free Solar Backsheet market?

2. What is the demand of the global Fluorine-Free Solar Backsheet market?

3. What is the year over year growth of the global Fluorine-Free Solar Backsheet market?

4. What is the production and production value of the global Fluorine-Free Solar Backsheet market?

5. Who are the key producers in the global Fluorine-Free Solar Backsheet market?

6. What are the growth factors driving the market demand?



Contents

1 SUPPLY SUMMARY

- 1.1 Fluorine-Free Solar Backsheet Introduction
- 1.2 World Fluorine-Free Solar Backsheet Supply & Forecast
- 1.2.1 World Fluorine-Free Solar Backsheet Production Value (2018 & 2022 & 2029)
- 1.2.2 World Fluorine-Free Solar Backsheet Production (2018-2029)
- 1.2.3 World Fluorine-Free Solar Backsheet Pricing Trends (2018-2029)
- 1.3 World Fluorine-Free Solar Backsheet Production by Region (Based on Production Site)
 - 1.3.1 World Fluorine-Free Solar Backsheet Production Value by Region (2018-2029)
 - 1.3.2 World Fluorine-Free Solar Backsheet Production by Region (2018-2029)
 - 1.3.3 World Fluorine-Free Solar Backsheet Average Price by Region (2018-2029)
 - 1.3.4 North America Fluorine-Free Solar Backsheet Production (2018-2029)
 - 1.3.5 Europe Fluorine-Free Solar Backsheet Production (2018-2029)
 - 1.3.6 China Fluorine-Free Solar Backsheet Production (2018-2029)
 - 1.3.7 Japan Fluorine-Free Solar Backsheet Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Fluorine-Free Solar Backsheet Market Drivers
 - 1.4.2 Factors Affecting Demand
- 1.4.3 Fluorine-Free Solar Backsheet Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Fluorine-Free Solar Backsheet Demand (2018-2029)
- 2.2 World Fluorine-Free Solar Backsheet Consumption by Region
- 2.2.1 World Fluorine-Free Solar Backsheet Consumption by Region (2018-2023)
- 2.2.2 World Fluorine-Free Solar Backsheet Consumption Forecast by Region (2024-2029)
- 2.3 United States Fluorine-Free Solar Backsheet Consumption (2018-2029)
- 2.4 China Fluorine-Free Solar Backsheet Consumption (2018-2029)
- 2.5 Europe Fluorine-Free Solar Backsheet Consumption (2018-2029)
- 2.6 Japan Fluorine-Free Solar Backsheet Consumption (2018-2029)
- 2.7 South Korea Fluorine-Free Solar Backsheet Consumption (2018-2029)
- 2.8 ASEAN Fluorine-Free Solar Backsheet Consumption (2018-2029)



2.9 India Fluorine-Free Solar Backsheet Consumption (2018-2029)

3 WORLD FLUORINE-FREE SOLAR BACKSHEET MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Fluorine-Free Solar Backsheet Production Value by Manufacturer (2018-2023)

- 3.2 World Fluorine-Free Solar Backsheet Production by Manufacturer (2018-2023)
- 3.3 World Fluorine-Free Solar Backsheet Average Price by Manufacturer (2018-2023)
- 3.4 Fluorine-Free Solar Backsheet Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Fluorine-Free Solar Backsheet Industry Rank of Major Manufacturers
- 3.5.2 Global Concentration Ratios (CR4) for Fluorine-Free Solar Backsheet in 2022
- 3.5.3 Global Concentration Ratios (CR8) for Fluorine-Free Solar Backsheet in 2022
- 3.6 Fluorine-Free Solar Backsheet Market: Overall Company Footprint Analysis
- 3.6.1 Fluorine-Free Solar Backsheet Market: Region Footprint
- 3.6.2 Fluorine-Free Solar Backsheet Market: Company Product Type Footprint
- 3.6.3 Fluorine-Free Solar Backsheet 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: Fluorine-Free Solar Backsheet Production Value Comparison

4.1.1 United States VS China: Fluorine-Free Solar Backsheet Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Fluorine-Free Solar Backsheet Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Fluorine-Free Solar Backsheet Production Comparison

4.2.1 United States VS China: Fluorine-Free Solar Backsheet Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Fluorine-Free Solar Backsheet Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Fluorine-Free Solar Backsheet Consumption Comparison



4.3.1 United States VS China: Fluorine-Free Solar Backsheet Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Fluorine-Free Solar Backsheet Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Fluorine-Free Solar Backsheet Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Fluorine-Free Solar Backsheet Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Fluorine-Free Solar Backsheet Production Value (2018-2023)

4.4.3 United States Based Manufacturers Fluorine-Free Solar Backsheet Production (2018-2023)

4.5 China Based Fluorine-Free Solar Backsheet Manufacturers and Market Share

4.5.1 China Based Fluorine-Free Solar Backsheet Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Fluorine-Free Solar Backsheet Production Value (2018-2023)

4.5.3 China Based Manufacturers Fluorine-Free Solar Backsheet Production (2018-2023)

4.6 Rest of World Based Fluorine-Free Solar Backsheet Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Fluorine-Free Solar Backsheet Manufacturers,

Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Fluorine-Free Solar Backsheet Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

- 5.2.1 Co-Extruded Fluorine-Free Solar Backsheet
- 5.2.2 Composite Fluorine-Free Solar Backsheet

5.3 Market Segment by Type

5.3.1 World Fluorine-Free Solar Backsheet Production by Type (2018-2029)

5.3.2 World Fluorine-Free Solar Backsheet Production Value by Type (2018-2029)

5.3.3 World Fluorine-Free Solar Backsheet Average Price by Type (2018-2029)



6 MARKET ANALYSIS BY APPLICATION

- 6.1 World Fluorine-Free Solar Backsheet Market Size Overview by Application: 2018
- VS 2022 VS 2029
- 6.2 Segment Introduction by Application
 - 6.2.1 Industrial
 - 6.2.2 Commercial
- 6.2.3 Residential
- 6.3 Market Segment by Application
- 6.3.1 World Fluorine-Free Solar Backsheet Production by Application (2018-2029)
- 6.3.2 World Fluorine-Free Solar Backsheet Production Value by Application
- (2018-2029)

6.3.3 World Fluorine-Free Solar Backsheet Average Price by Application (2018-2029)

7 COMPANY PROFILES

- 7.1 DuPont
 - 7.1.1 DuPont Details
 - 7.1.2 DuPont Major Business
 - 7.1.3 DuPont Fluorine-Free Solar Backsheet Product and Services
- 7.1.4 DuPont Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.1.5 DuPont Recent Developments/Updates
- 7.1.6 DuPont Competitive Strengths & Weaknesses

7.2 Arkema S.A.

- 7.2.1 Arkema S.A. Details
- 7.2.2 Arkema S.A. Major Business
- 7.2.3 Arkema S.A. Fluorine-Free Solar Backsheet Product and Services
- 7.2.4 Arkema S.A. Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.2.5 Arkema S.A. Recent Developments/Updates
- 7.2.6 Arkema S.A. Competitive Strengths & Weaknesses

7.3 SKC

- 7.3.1 SKC Details
- 7.3.2 SKC Major Business
- 7.3.3 SKC Fluorine-Free Solar Backsheet Product and Services

7.3.4 SKC Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)



7.3.5 SKC Recent Developments/Updates

7.3.6 SKC Competitive Strengths & Weaknesses

7.4 Coveme

7.4.1 Coveme Details

7.4.2 Coveme Major Business

7.4.3 Coveme Fluorine-Free Solar Backsheet Product and Services

7.4.4 Coveme Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Coveme Recent Developments/Updates

7.4.6 Coveme Competitive Strengths & Weaknesses

7.5 KREMPEL

7.5.1 KREMPEL Details

7.5.2 KREMPEL Major Business

7.5.3 KREMPEL Fluorine-Free Solar Backsheet Product and Services

7.5.4 KREMPEL Fluorine-Free Solar Backsheet Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.5.5 KREMPEL Recent Developments/Updates

7.5.6 KREMPEL Competitive Strengths & Weaknesses

7.6 3M

7.6.1 3M Details

7.6.2 3M Major Business

7.6.3 3M Fluorine-Free Solar Backsheet Product and Services

7.6.4 3M Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 3M Recent Developments/Updates

7.6.6 3M Competitive Strengths & Weaknesses

7.7 Toray Films

7.7.1 Toray Films Details

7.7.2 Toray Films Major Business

7.7.3 Toray Films Fluorine-Free Solar Backsheet Product and Services

7.7.4 Toray Films Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Toray Films Recent Developments/Updates

7.7.6 Toray Films Competitive Strengths & Weaknesses

7.8 Crown Advanced Material

7.8.1 Crown Advanced Material Details

7.8.2 Crown Advanced Material Major Business

7.8.3 Crown Advanced Material Fluorine-Free Solar Backsheet Product and Services

7.8.4 Crown Advanced Material Fluorine-Free Solar Backsheet Production, Price,



Value, Gross Margin and Market Share (2018-2023)

7.8.5 Crown Advanced Material Recent Developments/Updates

7.8.6 Crown Advanced Material Competitive Strengths & Weaknesses

7.9 Cybrid Technologies

7.9.1 Cybrid Technologies Details

7.9.2 Cybrid Technologies Major Business

7.9.3 Cybrid Technologies Fluorine-Free Solar Backsheet Product and Services

7.9.4 Cybrid Technologies Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Cybrid Technologies Recent Developments/Updates

7.9.6 Cybrid Technologies Competitive Strengths & Weaknesses

7.10 Ningbo Solartron Technology

7.10.1 Ningbo Solartron Technology Details

7.10.2 Ningbo Solartron Technology Major Business

7.10.3 Ningbo Solartron Technology Fluorine-Free Solar Backsheet Product and Services

7.10.4 Ningbo Solartron Technology Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 Ningbo Solartron Technology Recent Developments/Updates

7.10.6 Ningbo Solartron Technology Competitive Strengths & Weaknesses

7.11 HANGZHOU FIRST APPLIED MATERIAL

7.11.1 HANGZHOU FIRST APPLIED MATERIAL Details

7.11.2 HANGZHOU FIRST APPLIED MATERIAL Major Business

7.11.3 HANGZHOU FIRST APPLIED MATERIAL Fluorine-Free Solar Backsheet Product and Services

7.11.4 HANGZHOU FIRST APPLIED MATERIAL Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 HANGZHOU FIRST APPLIED MATERIAL Recent Developments/Updates

7.11.6 HANGZHOU FIRST APPLIED MATERIAL Competitive Strengths &

Weaknesses

7.12 Hubei Huitian New Materials

7.12.1 Hubei Huitian New Materials Details

7.12.2 Hubei Huitian New Materials Major Business

7.12.3 Hubei Huitian New Materials Fluorine-Free Solar Backsheet Product and Services

7.12.4 Hubei Huitian New Materials Fluorine-Free Solar Backsheet Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Hubei Huitian New Materials Recent Developments/Updates

7.12.6 Hubei Huitian New Materials Competitive Strengths & Weaknesses



8 INDUSTRY CHAIN ANALYSIS

- 8.1 Fluorine-Free Solar Backsheet Industry Chain
- 8.2 Fluorine-Free Solar Backsheet Upstream Analysis
- 8.2.1 Fluorine-Free Solar Backsheet Core Raw Materials
- 8.2.2 Main Manufacturers of Fluorine-Free Solar Backsheet Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Fluorine-Free Solar Backsheet Production Mode
- 8.6 Fluorine-Free Solar Backsheet Procurement Model
- 8.7 Fluorine-Free Solar Backsheet Industry Sales Model and Sales Channels
- 8.7.1 Fluorine-Free Solar Backsheet Sales Model
- 8.7.2 Fluorine-Free Solar Backsheet Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer



List Of Tables

LIST OF TABLES

Table 1. World Fluorine-Free Solar Backsheet Production Value by Region (2018, 2022) and 2029) & (USD Million) Table 2. World Fluorine-Free Solar Backsheet Production Value by Region (2018-2023) & (USD Million) Table 3. World Fluorine-Free Solar Backsheet Production Value by Region (2024-2029) & (USD Million) Table 4. World Fluorine-Free Solar Backsheet Production Value Market Share by Region (2018-2023) Table 5. World Fluorine-Free Solar Backsheet Production Value Market Share by Region (2024-2029) Table 6. World Fluorine-Free Solar Backsheet Production by Region (2018-2023) & (K Sqm) Table 7. World Fluorine-Free Solar Backsheet Production by Region (2024-2029) & (K Sqm) Table 8. World Fluorine-Free Solar Backsheet Production Market Share by Region (2018-2023)Table 9. World Fluorine-Free Solar Backsheet Production Market Share by Region (2024 - 2029)Table 10. World Fluorine-Free Solar Backsheet Average Price by Region (2018-2023) & (US\$/Sqm) Table 11. World Fluorine-Free Solar Backsheet Average Price by Region (2024-2029) & (US\$/Sqm) Table 12. Fluorine-Free Solar Backsheet Major Market Trends Table 13. World Fluorine-Free Solar Backsheet Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Sqm) Table 14. World Fluorine-Free Solar Backsheet Consumption by Region (2018-2023) & (K Sqm) Table 15. World Fluorine-Free Solar Backsheet Consumption Forecast by Region (2024-2029) & (K Sqm) Table 16. World Fluorine-Free Solar Backsheet Production Value by Manufacturer (2018-2023) & (USD Million) Table 17. Production Value Market Share of Key Fluorine-Free Solar Backsheet Producers in 2022 Table 18. World Fluorine-Free Solar Backsheet Production by Manufacturer (2018-2023) & (K Sqm)



Table 19. Production Market Share of Key Fluorine-Free Solar Backsheet Producers in 2022

Table 20. World Fluorine-Free Solar Backsheet Average Price by Manufacturer (2018-2023) & (US\$/Sqm)

Table 21. Global Fluorine-Free Solar Backsheet Company Evaluation Quadrant

Table 22. World Fluorine-Free Solar Backsheet Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Fluorine-Free Solar Backsheet Production Site of Key Manufacturer

Table 24. Fluorine-Free Solar Backsheet Market: Company Product Type Footprint Table 25. Fluorine-Free Solar Backsheet Market: Company Product Application Footprint

Table 26. Fluorine-Free Solar Backsheet Competitive Factors

Table 27. Fluorine-Free Solar Backsheet New Entrant and Capacity Expansion Plans

 Table 28. Fluorine-Free Solar Backsheet Mergers & Acquisitions Activity

Table 29. United States VS China Fluorine-Free Solar Backsheet Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Fluorine-Free Solar Backsheet Production Comparison, (2018 & 2022 & 2029) & (K Sqm)

Table 31. United States VS China Fluorine-Free Solar Backsheet Consumption Comparison, (2018 & 2022 & 2029) & (K Sqm)

Table 32. United States Based Fluorine-Free Solar Backsheet Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Fluorine-Free Solar Backsheet Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Fluorine-Free Solar Backsheet Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Fluorine-Free Solar Backsheet Production (2018-2023) & (K Sqm)

Table 36. United States Based Manufacturers Fluorine-Free Solar BacksheetProduction Market Share (2018-2023)

Table 37. China Based Fluorine-Free Solar Backsheet Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Fluorine-Free Solar Backsheet Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Fluorine-Free Solar Backsheet Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Fluorine-Free Solar Backsheet Production (2018-2023) & (K Sqm)



Table 41. China Based Manufacturers Fluorine-Free Solar Backsheet Production Market Share (2018-2023)

Table 42. Rest of World Based Fluorine-Free Solar Backsheet Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production (2018-2023) & (K Sqm)

Table 46. Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production Market Share (2018-2023)

Table 47. World Fluorine-Free Solar Backsheet Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Fluorine-Free Solar Backsheet Production by Type (2018-2023) & (K Sqm)

Table 49. World Fluorine-Free Solar Backsheet Production by Type (2024-2029) & (K Sqm)

Table 50. World Fluorine-Free Solar Backsheet Production Value by Type (2018-2023) & (USD Million)

Table 51. World Fluorine-Free Solar Backsheet Production Value by Type (2024-2029) & (USD Million)

Table 52. World Fluorine-Free Solar Backsheet Average Price by Type (2018-2023) & (US\$/Sqm)

Table 53. World Fluorine-Free Solar Backsheet Average Price by Type (2024-2029) & (US\$/Sqm)

Table 54. World Fluorine-Free Solar Backsheet Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Fluorine-Free Solar Backsheet Production by Application (2018-2023) & (K Sqm)

Table 56. World Fluorine-Free Solar Backsheet Production by Application (2024-2029) & (K Sqm)

Table 57. World Fluorine-Free Solar Backsheet Production Value by Application (2018-2023) & (USD Million)

Table 58. World Fluorine-Free Solar Backsheet Production Value by Application (2024-2029) & (USD Million)

Table 59. World Fluorine-Free Solar Backsheet Average Price by Application (2018-2023) & (US\$/Sqm)

 Table 60. World Fluorine-Free Solar Backsheet Average Price by Application



(2024-2029) & (US\$/Sqm) Table 61. DuPont Basic Information, Manufacturing Base and Competitors Table 62. DuPont Major Business Table 63. DuPont Fluorine-Free Solar Backsheet Product and Services Table 64. DuPont Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023) Table 65. DuPont Recent Developments/Updates Table 66. DuPont Competitive Strengths & Weaknesses Table 67. Arkema S.A. Basic Information, Manufacturing Base and Competitors Table 68. Arkema S.A. Major Business Table 69. Arkema S.A. Fluorine-Free Solar Backsheet Product and Services Table 70. Arkema S.A. Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018 - 2023)Table 71. Arkema S.A. Recent Developments/Updates Table 72. Arkema S.A. Competitive Strengths & Weaknesses Table 73. SKC Basic Information, Manufacturing Base and Competitors Table 74. SKC Major Business Table 75. SKC Fluorine-Free Solar Backsheet Product and Services Table 76. SKC Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023) Table 77. SKC Recent Developments/Updates Table 78. SKC Competitive Strengths & Weaknesses Table 79. Coveme Basic Information, Manufacturing Base and Competitors Table 80. Coveme Major Business Table 81. Coveme Fluorine-Free Solar Backsheet Product and Services Table 82. Coveme Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018 - 2023)Table 83. Coveme Recent Developments/Updates Table 84. Coveme Competitive Strengths & Weaknesses Table 85. KREMPEL Basic Information, Manufacturing Base and Competitors Table 86. KREMPEL Major Business Table 87. KREMPEL Fluorine-Free Solar Backsheet Product and Services Table 88. KREMPEL Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018 - 2023)Table 89. KREMPEL Recent Developments/Updates Table 90. KREMPEL Competitive Strengths & Weaknesses



 Table 91. 3M Basic Information, Manufacturing Base and Competitors

Table 92. 3M Major Business

Table 93. 3M Fluorine-Free Solar Backsheet Product and Services

Table 94. 3M Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. 3M Recent Developments/Updates

 Table 96. 3M Competitive Strengths & Weaknesses

 Table 97. Toray Films Basic Information, Manufacturing Base and Competitors

Table 98. Toray Films Major Business

 Table 99. Toray Films Fluorine-Free Solar Backsheet Product and Services

Table 100. Toray Films Fluorine-Free Solar Backsheet Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Toray Films Recent Developments/Updates

Table 102. Toray Films Competitive Strengths & Weaknesses

Table 103. Crown Advanced Material Basic Information, Manufacturing Base and Competitors

Table 104. Crown Advanced Material Major Business

Table 105. Crown Advanced Material Fluorine-Free Solar Backsheet Product and Services

Table 106. Crown Advanced Material Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Crown Advanced Material Recent Developments/Updates

Table 108. Crown Advanced Material Competitive Strengths & Weaknesses

Table 109. Cybrid Technologies Basic Information, Manufacturing Base and Competitors

Table 110. Cybrid Technologies Major Business

Table 111. Cybrid Technologies Fluorine-Free Solar Backsheet Product and Services Table 112. Cybrid Technologies Fluorine-Free Solar Backsheet Production (K Sqm),

Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Cybrid Technologies Recent Developments/Updates

Table 114. Cybrid Technologies Competitive Strengths & Weaknesses

Table 115. Ningbo Solartron Technology Basic Information, Manufacturing Base and Competitors

Table 116. Ningbo Solartron Technology Major Business

Table 117. Ningbo Solartron Technology Fluorine-Free Solar Backsheet Product and Services



Table 118. Ningbo Solartron Technology Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

 Table 119. Ningbo Solartron Technology Recent Developments/Updates

Table 120. Ningbo Solartron Technology Competitive Strengths & Weaknesses

Table 121. HANGZHOU FIRST APPLIED MATERIAL Basic Information, Manufacturing Base and Competitors

Table 122. HANGZHOU FIRST APPLIED MATERIAL Major Business

Table 123. HANGZHOU FIRST APPLIED MATERIAL Fluorine-Free Solar Backsheet Product and Services

Table 124. HANGZHOU FIRST APPLIED MATERIAL Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. HANGZHOU FIRST APPLIED MATERIAL Recent Developments/Updates Table 126. Hubei Huitian New Materials Basic Information, Manufacturing Base and Competitors

Table 127. Hubei Huitian New Materials Major Business

Table 128. Hubei Huitian New Materials Fluorine-Free Solar Backsheet Product and Services

Table 129. Hubei Huitian New Materials Fluorine-Free Solar Backsheet Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 130. Global Key Players of Fluorine-Free Solar Backsheet Upstream (Raw Materials)

Table 131. Fluorine-Free Solar Backsheet Typical Customers

Table 132. Fluorine-Free Solar Backsheet Typical Distributors



List Of Figures

LIST OF FIGURES

Figure 1. Fluorine-Free Solar Backsheet Picture

Figure 2. World Fluorine-Free Solar Backsheet Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Fluorine-Free Solar Backsheet Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Fluorine-Free Solar Backsheet Production (2018-2029) & (K Sqm) Figure 5. World Fluorine-Free Solar Backsheet Average Price (2018-2029) & (US\$/Sqm)

Figure 6. World Fluorine-Free Solar Backsheet Production Value Market Share by Region (2018-2029)

Figure 7. World Fluorine-Free Solar Backsheet Production Market Share by Region (2018-2029)

Figure 8. North America Fluorine-Free Solar Backsheet Production (2018-2029) & (K Sqm)

Figure 9. Europe Fluorine-Free Solar Backsheet Production (2018-2029) & (K Sqm)

Figure 10. China Fluorine-Free Solar Backsheet Production (2018-2029) & (K Sqm)

Figure 11. Japan Fluorine-Free Solar Backsheet Production (2018-2029) & (K Sqm)

Figure 12. Fluorine-Free Solar Backsheet Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 15. World Fluorine-Free Solar Backsheet Consumption Market Share by Region (2018-2029)

Figure 16. United States Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 17. China Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 18. Europe Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 19. Japan Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 20. South Korea Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 21. ASEAN Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 22. India Fluorine-Free Solar Backsheet Consumption (2018-2029) & (K Sqm)

Figure 23. Producer Shipments of Fluorine-Free Solar Backsheet by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Fluorine-Free Solar Backsheet Markets in 2022



Figure 25. Global Four-firm Concentration Ratios (CR8) for Fluorine-Free Solar Backsheet Markets in 2022 Figure 26. United States VS China: Fluorine-Free Solar Backsheet Production Value Market Share Comparison (2018 & 2022 & 2029) Figure 27. United States VS China: Fluorine-Free Solar Backsheet Production Market Share Comparison (2018 & 2022 & 2029) Figure 28. United States VS China: Fluorine-Free Solar Backsheet Consumption Market Share Comparison (2018 & 2022 & 2029) Figure 29. United States Based Manufacturers Fluorine-Free Solar Backsheet Production Market Share 2022 Figure 30. China Based Manufacturers Fluorine-Free Solar Backsheet Production Market Share 2022 Figure 31. Rest of World Based Manufacturers Fluorine-Free Solar Backsheet Production Market Share 2022 Figure 32. World Fluorine-Free Solar Backsheet Production Value by Type, (USD Million), 2018 & 2022 & 2029 Figure 33. World Fluorine-Free Solar Backsheet Production Value Market Share by Type in 2022 Figure 34. Co-Extruded Fluorine-Free Solar Backsheet Figure 35. Composite Fluorine-Free Solar Backsheet Figure 36. World Fluorine-Free Solar Backsheet Production Market Share by Type (2018-2029)Figure 37. World Fluorine-Free Solar Backsheet Production Value Market Share by Type (2018-2029) Figure 38. World Fluorine-Free Solar Backsheet Average Price by Type (2018-2029) & (US\$/Sqm) Figure 39. World Fluorine-Free Solar Backsheet Production Value by Application, (USD Million), 2018 & 2022 & 2029 Figure 40. World Fluorine-Free Solar Backsheet Production Value Market Share by Application in 2022 Figure 41. Industrial Figure 42. Commercial Figure 43. Residential Figure 44. World Fluorine-Free Solar Backsheet Production Market Share by Application (2018-2029) Figure 45. World Fluorine-Free Solar Backsheet Production Value Market Share by Application (2018-2029) Figure 46. World Fluorine-Free Solar Backsheet Average Price by Application

(2018-2029) & (US\$/Sqm)



- Figure 47. Fluorine-Free Solar Backsheet Industry Chain
- Figure 48. Fluorine-Free Solar Backsheet Procurement Model
- Figure 49. Fluorine-Free Solar Backsheet Sales Model
- Figure 50. Fluorine-Free Solar Backsheet Sales Channels, Direct Sales, and

Distribution

- Figure 51. Methodology
- Figure 52. Research Process and Data Source



I would like to order

Product name: Global Fluorine-Free Solar Backsheet Supply, Demand and Key Producers, 2023-2029 Product link: <u>https://marketpublishers.com/r/GDE04DB672EFEN.html</u>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/GDE04DB672EFEN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970