

Global Photovoltaic POE Film Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Photovoltaic POE Film market size was valued at USD 1851.5 million in 2023 and is forecast to a readjusted size of USD 2839 million by 2030 with a CAGR of 6.3% during review period.

The thermoplastic polyolefin based encapsulant (POE) has emerged as a new encapsulant which can be used in Crystalline as well in Thin film modules. It can be also used in both glass to glass & glass to backsheet modules. This remarkable potential of thermoplastic polyolefin based encapsulant like extremely high PID resistance, comparable transparency, lower lamination cycle time, less volatiles & no acetic group like vinyl acetate attracted PV module manufacturers to consider them as an encapsulant alternate to EVA.

Global key players of photovoltaic POE film include First, Cybrid, Sveck, HIUV, Mitsui Chemicals, etc. The top five players hold a share over 80%. Asia Pacific is the largest market, has a share about 92%. China is the largest producer, has a share about 83%.

The Global Info Research report includes an overview of the development of the Photovoltaic POE Film industry chain, the market status of P-type Bifacial Module (Cross-linked POE Film, Thermoplastic POE Film), N-type Bifacial Module (Cross-linked POE Film, Thermoplastic POE Film), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Photovoltaic POE Film.

Regionally, the report analyzes the Photovoltaic POE Film markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives

and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Photovoltaic POE Film market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Photovoltaic POE Film market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Photovoltaic POE Film industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (M Sqm), revenue generated, and market share of different by Type (e.g., Cross-linked POE Film, Thermoplastic POE Film).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Photovoltaic POE Film market.

Regional Analysis: The report involves examining the Photovoltaic POE Film market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Photovoltaic POE Film market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Photovoltaic POE Film:

Company Analysis: Report covers individual Photovoltaic POE Film manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Photovoltaic POE Film. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (P-type Bifacial Module, N-type Bifacial Module).

Technology Analysis: Report covers specific technologies relevant to Photovoltaic POE Film. It assesses the current state, advancements, and potential future developments in Photovoltaic POE Film areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Photovoltaic POE Film market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Photovoltaic POE Film market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Cross-linked POE Film

Thermoplastic POE Film

Co-extruded POE Film

Market segment by Application

P-type Bifacial Module

N-type Bifacial Module

Major players covered

First

Cybrid

Sveck

HIUV

Mitsui Chemicals

Hanwha

Sinopont

Betterial

3M

Crown

Weike

Vishakha

Lushan

H.B. Fuller

RenewSys

Yisheng

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 Photovoltaic POE Film product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Photovoltaic POE Film, with price, sales, revenue and global market share of Photovoltaic POE Film from 2019 to 2024.

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

Chapter 4, the Photovoltaic POE Film breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Photovoltaic POE Film market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Photovoltaic POE Film.

Chapter 14 and 15, to describe Photovoltaic POE Film sales channel, distributors, customers, research findings and conclusion.

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