

Global Perovskite Encapsulation Film Market Growth 2024-2030

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Abstracts

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Perovskite photovoltaic modules require POE film. Due to the characteristics of materials and structures, perovskite cells have higher requirements for film packaging materials, especially in terms of water permeability, light transmittance, stress performance (modulus), weather resistance (UV resistance, high temperature resistance), bonding strength, and anti-aging ability. Compared with crystalline silicon cells, perovskite layer and hole transport layer materials are more sensitive to external factors such as water, oxygen, light, and heat. In addition, the unpolymerized VA monomer in EVA contains carboxylic acid, which may react with the A ion in the perovskite solution. Therefore, perovskite cells will mainly use POE film for packaging. POE film has high water resistance and high PID resistance, and is suitable for high-efficiency photovoltaic modules. POE film is a photovoltaic encapsulation film. Compared with EVA film, POE film has better aging resistance, low water vapor transmission rate and PID resistance. Its water vapor transmission rate is only about 1/8 of that of EVA film, and POE film will not decompose and produce acetic acid when it comes into contact with water, which can effectively reduce the PID effect. With its excellent comprehensive performance, POE film is mainly used in high-efficiency photovoltaic modules such as double-glass and N-type, which can effectively improve the service life and power generation efficiency of photovoltaic modules.

The global Perovskite Encapsulation Film market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Perovskite Encapsulation Film

Industry Forecast” looks at past sales and reviews total world Perovskite Encapsulation Film sales in 2023, providing a comprehensive analysis by region and market sector of projected Perovskite Encapsulation Film sales for 2024 through 2030. With Perovskite Encapsulation Film sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Perovskite Encapsulation Film industry.

This Insight Report provides a comprehensive analysis of the global Perovskite Encapsulation Film landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Perovskite Encapsulation Film portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Perovskite Encapsulation Film market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Perovskite Encapsulation Film and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Perovskite Encapsulation Film.

United States market for Perovskite Encapsulation Film is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Perovskite Encapsulation Film is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Perovskite Encapsulation Film is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Perovskite Encapsulation Film players cover Satinal Spa, The Compound Company(Yparex), Xingchuan New Materials, Sinopont, Sveck, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth

opportunities of Perovskite Encapsulation Film market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

EP Co-extrusion Series

Cross-linked Series

Thermoplastic Series

Other

Segmentation by Application:

Double-glass Photovoltaic Modules

N-type Photovoltaic Modules

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Satinal Spa

The Compound Company(Yparex)

Xingchuan New Materials

Sinopont

Sveck

HIUV New Materials

Hotmelt

Lifecome Biochemistry

Cybrid Technologies

Bettrial

First New Energy

Cnlushan

Crown Advanced Material

Excitontech

Key Questions Addressed in this Report

What is the 10-year outlook for the global Perovskite Encapsulation Film market?

What factors are driving Perovskite Encapsulation Film market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Perovskite Encapsulation Film market opportunities vary by end market size?

How does Perovskite Encapsulation Film break out by Type, by Application?

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