

Global OBB Film Market Growth 2024-2030

<https://marketpublishers.com/r/GFC78C1AB3ECEN.html>

Date: July 2024

Pages: 100

Price: US\$ 3,660.00 (Single User License)

ID: GFC78C1AB3ECEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

OBB (no main grid) technology has spawned a new category of adhesive films, increasing the value of adhesive films and raising the technical barriers of the industry. For solar cells, the thinner the grid lines, the more conducive it is to reducing the amount of silver paste used, thereby reducing costs, while reducing shading to solar cells and improving power generation efficiency. Under the demand for cost reduction and efficiency improvement of components, the grid line process has developed rapidly in recent years, and the diameters of grid lines and welding strips have become thinner and thinner. At present, the market research and development direction is advancing towards OBB (no main grid) technology, that is, using copper wire welding strips to replace the original silver main grid to directly collect fine grid currents and realize interconnection between solar cells. The names of OBB adhesive films on the current market seem to be rich in variety, such as integrated films, skin films, and carrier films, but from the perspective of their main functions, they can basically be summarized into two types: 1) Adhesive film: plays the role of bonding solar cells and glass; 2) Carrier film: plays the role of connecting or carrying welding strips. 1) Adhesive film: basically the same as the conventional encapsulation film system, it requires low viscosity, good fluidity, and good adhesion to glass. EVA films with price advantages, fast cross-linking rate, and good molding effect are often used. According to the summary of OBB film patents of various companies, the adhesive film is generally thicker, at the level of hundreds of microns, and the initial bonding force formed with the glass is about 150N/cm. 2) Carrier film: connected to the solder ribbon, directly contacting the battery cell after lamination. In order to prevent the solder ribbon from shifting due to the flow of the adhesive film during the lamination process, resulting in problems such as cold soldering or deformation of the solder ribbon between the solder ribbon and the fine grid, the carrier film is required to have the basic characteristics of high viscosity and low fluidity.

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

This Insight Report provides a comprehensive analysis of the global OBB 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 OBB Film portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global OBB Film market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for OBB 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 OBB Film.

United States market for OBB 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 OBB 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 OBB 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 OBB Film players cover Guangzhou Lushan New Materials Co., Ltd., Firstpvm, Lifecomepc, Sveck, mg-crown, 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 OBB Film market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Adhesive Film

Carrier Film

Segmentation by Application:

Photovoltaic Module Packaging

Other

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.

Guangzhou Lushan New Materials Co., Ltd.

Firstpvm

Lifecomepc

Sveck

mg-crown

Betternal

Decent

HIUV

Key Questions Addressed in this Report

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

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

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

How do OBB Film market opportunities vary by end market size?

How does OBB Film break out by Type, by Application?

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