

Global Greenhouse Film Market Size Study, by Resin Type (LDPE, LLDPE, EVA), by Thickness (80 to 150 Microns, 150 to 200 Microns, More than 200 Microns), by Width (4.5M, 5.5M, 7M, 9M), and Regional Forecasts 2022-2032

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Abstracts

The Global Greenhouse Film Market, valued at USD 6.83 billion in 2023, is anticipated to expand at an impressive CAGR of 7.60% during the forecast period 2024-2032. Greenhouse films, indispensable in the agriculture industry, are specially designed polymer sheets that optimize plant growth by regulating temperature, light transmission, and moisture. With increasing food demand and rising environmental challenges, greenhouse films have emerged as vital components for modern agricultural practices, ensuring crop protection and improved yield efficiency.

Rapid advancements in film technologies, such as multi-layered films with UV protection, anti-fog, and thermal insulation features, are enhancing their performance and durability. LDPE (Low-Density Polyethylene) dominates the resin type segment due to its flexibility, affordability, and superior resistance to wear and tear. Concurrently, LLDPE (Linear Low-Density Polyethylene) and EVA (Ethylene Vinyl Acetate) films are gaining traction for their enhanced strength, transparency, and ability to withstand extreme weather conditions, making them ideal for diverse climates.

The market's growth is further fueled by the escalating demand for food security amidst limited arable land, driving farmers to adopt protected farming solutions. Innovations in thickness categories, particularly 80 to 150 microns, which strike a balance between durability and affordability, are driving adoption in small- to medium-sized farms. Meanwhile, films with thickness 150 to 200 microns and more than 200 microns cater to larger commercial operations requiring extended lifespan and high-performance

properties. Additionally, the varying widths of greenhouse films, such as 4.5M, 5.5M, 7M, and 9M, allow farmers to customize coverage based on farm size, supporting operational efficiency.

Regionally, Asia Pacific leads the market, driven by a massive agriculture-dependent population, increasing adoption of greenhouse farming techniques, and government initiatives supporting food production. Countries like China, India, and Japan are witnessing significant investments in advanced agricultural infrastructure to combat climate variability and ensure food stability. In Europe, stringent regulations promoting sustainable farming practices and rising demand for off-season crops have spurred greenhouse film adoption. Meanwhile, North America benefits from the rising popularity of controlled environment agriculture, especially in regions experiencing extreme temperatures. Emerging markets in Latin America and Middle East & Africa are also witnessing growth as local governments prioritize agriculture modernization and food security.

Key players in the greenhouse film market are actively pursuing innovations, strategic partnerships, and geographic expansions to strengthen their global presence. As farmers increasingly embrace advanced protected cultivation methods to meet growing food demands, the greenhouse film market is poised for sustained expansion, paving the way for eco-efficient farming solutions.

Major market players included in this report are:

BASF SE

Berry Global Group, Inc.

Ginegar Plastic Products Ltd

RKW Group

Armando Alvarez Group

POLIFILM Group

RPC BPI Group

Grupo Armando Alvarez

Hyplast NV

Plastika Kritis S.A.

Coveris Holdings S.A.

Novamont S.p.A.

AEP Industries Inc.

ExxonMobil Corporation

Dow Chemical Company

The detailed segments and sub-segment of the market are explained below:

By Resin Type:

LDPE

LLDPE

EVA

By Thickness:

80 to 150 Microns

150 to 200 Microns

More than 200 Microns

By Width:

4.5M

5.5M

7M

9M

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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