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Global Compostable Multilayer Films Market Size Study & Forecast, by Material Type, Application, and Regional Forecasts 2025-2035

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Abstracts

The Global Compostable Multilayer Films Market is valued at approximately USD 1.42 billion in 2024 and is projected to expand at an impressive CAGR of 9.70% over the forecast period 2025-2035. Compostable multilayer films, designed to disintegrate in composting environments without leaving toxic residues, are revolutionizing the packaging ecosystem. These advanced films, composed of materials such as polylactic acid (PLA), polyhydroxyalkanoates (PHA), starch, and cellulose derivatives, have emerged as vital alternatives to traditional petroleum-based packaging, especially in food, personal care, and pharmaceutical sectors. As environmental sustainability shifts from a preference to a necessity, industries across the board are embracing compostable multilayer films to comply with evolving legislative frameworks and to elevate their green brand credentials.

The rapidly increasing global demand for sustainable and circular packaging solutions, coupled with rising awareness regarding plastic pollution, has significantly driven the adoption of compostable multilayer films. Governments worldwide are enforcing bans and levies on single-use plastics, accelerating the transition to bio-based and biodegradable materials. Multilayer film structures, offering barrier properties and mechanical strength comparable to synthetic polymers, are now being engineered to meet stringent food safety standards. Moreover, continued R&D efforts are focused on enhancing heat resistance, printability, and shelf-life of compostable films—broadening their suitability for high-performance packaging applications. However, high production costs and lack of large-scale composting infrastructure still pose barriers to mass adoption.

From a geographical standpoint, Europe is at the forefront of the compostable multilayer

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films movement, supported by its robust regulatory ecosystem, such as the EU Single-Use Plastics Directive, and a strong presence of bioeconomy-focused innovation. North America, led by the U.S., is witnessing significant traction driven by growing corporate sustainability commitments and demand from food packaging giants. Meanwhile, the Asia Pacific region is expected to record the fastest CAGR during the forecast period, owing to rising consumption of packaged goods in India and China, coupled with increasing governmental efforts to reduce plastic waste. Expanding urbanization, greater environmental consciousness, and public-private partnerships in compostable material R&D are also fostering market development across developing nations.

Major market player included in this report are:

BASF SE

NatureWorks LLC

Futamura Group

Novamont S.p.A

TIPA Corp Ltd

Taghleef Industries Group

Mondi Plc

Amcor Plc

Walki Group

Avery Dennison Corporation

Clondalkin Group Holdings B.V.

Biome Bioplastics Ltd

Polifilm Group

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Toray Industries, Inc.

Berry Global Group, Inc.

Global Compostable Multilayer Films Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Material Type:

PLA

PHA

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Starch-based Films

Cellulose-based Films

By Application:

Food Packaging

Personal Care

Pharmaceuticals

Agriculture

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

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Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- Rest of Asia Pacific

Latin America

- Brazil
- Mexico

Middle East & Africa

- UAE
- Saudi Arabia
- South Africa
- Rest of Middle East & Africa

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2025 to 2035.

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Annualized revenues and regional level analysis for each market segment.

Detailed analysis of 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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Contents

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CHAPTER 4. GLOBAL COMPOSTABLE MULTILAYER FILMS INDUSTRY ANALYSIS

CHAPTER 5. GLOBAL COMPOSTABLE MULTILAYER FILMS MARKET SIZE & FORECASTS BY MATERIAL TYPE 2025–2035

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CHAPTER 8. COMPETITIVE INTELLIGENCE

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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