

Global Bio-based PET Film Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Bio-based PET Film market size is expected to reach \$ 254 million by 2032, rising at a market growth of 12.7% CAGR during the forecast period (2026-2032).

Bio-based PET film refers to polyethylene terephthalate (PET) films partially derived from renewable biomass feedstocks (such as sugarcane or corn), where bio-based ethylene glycol (MEG) replaces fossil-based raw materials. In 2025, global Bio-based PET film production reached approximately 62.51 Kilotons. The bio-based PET film value chain includes biomass feedstock production, PET polymerization, film manufacturing, and downstream applications. Upstream involves renewable feedstocks such as sugarcane and corn, which are converted into bio-based ethylene glycol (Bio-MEG), while terephthalic acid (PTA) remains largely petroleum-based. Overall, bio-PET film is positioned as a low-carbon upgrade of conventional PET rather than a fully biodegradable polymer.

Bio-based PET film is a low-carbon evolution pathway of conventional BOPET film under global decarbonization trends. Rather than being a new polymer system, it is essentially a material substitution strategy in which bio-based monoethylene glycol (Bio-MEG) partially replaces fossil-based feedstocks while maintaining the same PET molecular structure and film performance characteristics. On the demand side, market growth is primarily driven by sustainability commitments from global FMCG and packaging brands, particularly in food & beverage, personal care, and pharmaceutical packaging. Under ESG disclosure requirements and carbon neutrality targets, multinational brand owners are increasingly pushing for low-carbon packaging materials, making Bio-PET adoption a procurement-driven rather than cost-driven transition.

This report studies the global Bio-based PET Film production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Bio-based PET Film and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Bio-based PET Film that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Bio-based PET Film total production and demand, 2021-2032, (Kilotons)

Global Bio-based PET Film total production value, 2021-2032, (USD Million)

Global Bio-based PET Film production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Bio-based PET Film consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Bio-based PET Film domestic production, consumption, key domestic manufacturers and share

Global Bio-based PET Film production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Bio-based PET Film production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Bio-based PET Film production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Bio-based PET Film market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray Industries, Teijin, Far Eastern New Century, Polyplex Corporation, Jindal Poly Films, Kuraray, Mitsubishi Chemical Group, DuPont, Shuangxing New Materials, Jiangsu Huasun New Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Bio-based PET Film market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Bio-based PET Film Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Bio-based PET Film Market, Segmentation by Type:

100% Bio-MEG PET

Partially Bio-based PET

Others

Global Bio-based PET Film Market, Segmentation by Function:

Barrier Films

Shrink Films

Decorative/Printing Films

Electrical Insulation Films

Global Bio-based PET Film Market, Segmentation by Structure:

Single-layer BOPET Film

Multilayer Barrier Film

Functional Coated Film

Global Bio-based PET Film Market, Segmentation by Functional Performance Tier:

Standard Bio-PET Film

High-barrier Bio-PET Film

Heat-resistant PET Film

Functional Coated PET Film

Global Bio-based PET Film Market, Segmentation by Application:

Packaging Industry

Printing Industry

Decoration Industry

Electronics Industry

Others

Companies Profiled:

Toray Industries

Teijin

Far Eastern New Century

Polyplex Corporation

Jindal Poly Films

Kuraray

Mitsubishi Chemical Group

DuPont

Shuangxing New Materials

Jiangsu Huasun New Materials

Key Questions Answered:

1. How big is the global Bio-based PET Film market?
2. What is the demand of the global Bio-based PET Film market?
3. What is the year over year growth of the global Bio-based PET Film market?
4. What is the production and production value of the global Bio-based PET Film market?
5. Who are the key producers in the global Bio-based PET Film market?
6. What are the growth factors driving the market demand?

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