+357 96 030922
info@marketpublishers.com

Bioplastics Market Forecasts to 2032 – Global Analysis By Type (Biodegradable Bioplastics, and Non-Biodegradable Bioplastics), Application (Packaging, Consumer Goods, Automotive & Transportation, Textiles, Agriculture & Horticulture, Building & Construction, Coatings & Adhesives, Electronics & Electricals, and Other Applications), and By Geography

https://marketpublishers.com/r/B7E3FE01DA61EN.html
Date: December 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: B7E3FE01DA61EN

Abstracts

According to Stratistics MRC, the Global Bioplastics Market is accounted for $18.6 billion in 2025 and is expected to reach $67.3 billion by 2032, growing at a CAGR of 20.1% during the forecast period. The bioplastics market involves plastics derived from renewable biomass sources and, in some cases, designed to be biodegradable or compostable. It includes materials such as PLA, PHA, and bio-based PE used in packaging, consumer goods, textiles, and automotive parts. Benefits include reduced dependence on fossil feedstocks, lower greenhouse gas emissions over the life cycle, potential for improved end-of-life options, and support for brand and regulatory goals around sustainable materials.

According to European Bioplastics' market data, global bioplastics production capacity was about 2.18 million tonnes in 2023 and is projected to expand substantially toward 2028, indicating rising industrial bioplastics capacity.

Market Dynamics:

Driver:

+357 96 030922
info@marketpublishers.com

Stringent Global Plastic Bans

Governments worldwide are intensifying regulatory pressure through bans and taxes on conventional plastics, directly accelerating bioplastics adoption. Policies like the EU's Single-Use Plastics Directive are compelling industries to seek sustainable alternatives, creating a guaranteed market pull. Furthermore, extended producer responsibility (EPR) schemes are making traditional plastics less economically viable, pushing packaging, consumer goods, and textiles manufacturers to transition to biobased materials to ensure compliance and maintain market access, thereby fueling consistent market growth.

Restraint:

Performance and Limitations

Despite their environmental benefits, bioplastics often face performance and processing hurdles that restrict their application scope. Key issues include lower heat resistance, inferior barrier properties compared to advanced petroplastics, and brittleness. Additionally, many bioplastics require specific industrial composting facilities to biodegrade, which are not universally available, leading to potential consumer confusion and improper disposal. These technical and infrastructural limitations currently hinder their adoption in high-performance sectors like automotive and advanced electronics, slowing market penetration.

Opportunity:

Development of a Circular Economy

Bioplastics, especially those derived from bio-waste, align perfectly with circular models by keeping carbon in a continuous loop and reducing dependence on virgin fossil resources. Moreover, innovations in chemical recycling for bioplastics can create closed-loop systems, turning end-of-life products into new materials. This synergy allows brands to build zero-waste portfolios and meet ambitious sustainability targets, unlocking new value chains and customer segments.

Threat:

Competition from Recycled Plastics

+357 96 030922
info@marketpublishers.com

The growing maturity and scale of mechanical and advanced recycling for conventional plastics pose a significant competitive threat. Recycled PET (rPET) and similar materials offer a lower carbon footprint at an often more competitive price point than many bioplastics. As packaging giants and consumer brands invest heavily in recycled content to meet sustainability goals, bioplastics must convincingly demonstrate a superior environmental or functional advantage to justify their typically premium cost and avoid being sidelined in the market.

Covid-19 Impact:

The pandemic initially disrupted bioplastics supply chains and R&D activities, mirroring broader industrial trends. However, the crisis ultimately amplified the demand for sustainable packaging, particularly in e-commerce and food delivery, where hygiene and environmental concerns converged. This surge highlighted the fragility of linear plastic economies and accelerated corporate commitments to sustainability. Consequently, the post-pandemic recovery phase has seen a strengthened market position for bioplastics as resilience and eco-consciousness become central to corporate strategy.

The non-biodegradable bioplastics segment is expected to be the largest during the forecast period

The non-biodegradable bioplastics segment is expected to account for the largest market share during the forecast period and is driven by its direct 'drop-in' capability with existing manufacturing and recycling infrastructure. These materials offer the reduced carbon footprint of a bio-based origin without requiring consumers or municipalities to alter disposal habits. Their proven durability and versatility make them the immediate choice for brands in rigid packaging, automotive, and textiles seeking to quickly meet sustainability mandates with minimal operational disruption, securing their leading market share.

The consumer goods segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the consumer goods segment is predicted to witness the highest growth rate, fueled by intense brand competition and shifting consumer preferences. Companies in cosmetics, electronics, and household products are aggressively adopting bioplastics for durable items like casings, containers, and

+357 96 030922
info@marketpublishers.com

disposable cutlery to enhance their green credentials. This sector's rapid product lifecycles and direct consumer engagement allow for quicker integration of sustainable materials, making it a key testing ground for innovation and a primary driver of the bioplastics market's expansion.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share. This leadership is anchored in the European Union's proactive and stringent regulatory framework, including the Single-Use Plastics Directive and ambitious circular economy action plans. Strong consumer awareness, coupled with significant investment in bioeconomy initiatives and advanced waste management infrastructure, creates a highly conducive environment for bioplastics adoption. Consequently, European countries remain the dominant market, setting the pace for both innovation and commercialization.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, propelled by the escalating plastic waste crisis in densely populated nations, prompting governments to implement stricter plastic regulations. Furthermore, the region serves as a global manufacturing hub, with leading brands exerting pressure on local suppliers to embrace sustainable materials. Massive investments in new bioplastic production capacity, particularly in countries like Thailand, India, and China, are set to make Asia Pacific the engine of global market growth.

Key players in the market

Some of the key players in Bioplastics Market include NatureWorks LLC, Corbion N.V., BASF SE, Braskem S.A., Novamont S.p.A., Danimer Scientific, Inc., Biome Bioplastics Ltd., FKuR Kunststoff GmbH, Mitsubishi Chemical Holdings Corporation, Toray Industries, Inc., Plantic Technologies Limited, BIOTEC Biologische Naturverpackungen GmbH & Co. KG, Cardia Bioplastics Limited, TIPA Corp. Ltd., PTT Global Chemical Public Company Limited, Arkema S.A., Eastman Chemical Company, and Kuraray Co., Ltd.

Key Developments:

In November 2025, Arkema S.A partnered with Poolp to unveil Nomura, a sculptural, bio-

+357 96 030922
info@marketpublishers.com

based coffee table produced using 3D printing, showcasing their sustainable materials expertise.

In October 2025, Braskem S.A unveiled several bio-based product innovations at K 2025, including a new I'm green™ bio-based HDPE for non-wovens applications.

In January 2025, Ingeo™ 1102 was announced for use in paper coating, enabling a recyclable and compostable solution for food serviceware.

Types Covered:

- Biodegradable Bioplastics
- Non-Biodegradable Bioplastics

Applications Covered:

- Packaging
- Consumer Goods
- Automotive & Transportation
- Textiles
- Agriculture & Horticulture
- Building & Construction
- Coatings & Adhesives
- Electronics & Electricals
- Other Applications

Regions Covered:

+357 96 030922
info@marketpublishers.com

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

+357 96 030922
info@marketpublishers.com

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

+357 96 030922
info@marketpublishers.com

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8 KEY DEVELOPMENTS

9 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Bioplastics Market Forecasts to 2032 – Global Analysis By Type (Biodegradable Bioplastics, and Non-Biodegradable Bioplastics), Application (Packaging, Consumer Goods, Automotive & Transportation, Textiles, Agriculture & Horticulture, Building & Construction, Coatings & Adhesives, Electronics & Electricals, and Other Applications), and By Geography

Product link: https://marketpublishers.com/r/B7E3FE01DA61EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/B7E3FE01DA61EN.html