

Bioplastics Market Size, Share and Growth Analysis Report - Forecast Trends and Outlook (2025-2034)

Market Report | 2025-07-28 | 170 pages | EMR Inc.

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Report description:

The global bioplastics market size reached a value of about USD 11.33 Billion in 2024 . The market is further estimated to grow at a CAGR of 14.10% in the forecast period of 2025-2034 to reach a value of around USD 42.37 Billion by 2034 .

The availability of clean energy raw material sources for the production of bioplastics, increased consumer acceptance of products made from biomaterials , regulatory frameworks for producing biodegradable containers, and the characteristics of bioplastics that make them environmentally-friendly are some of the key drivers of the bioplastic market size. End-use industries are anticipated to profit from a rise in population and higher health awareness in Asia Pacific's growing economies, which will increase the bioplastics market share over the forecast period.

As they are non-toxic and easily degrade, bioplastics have no negative effects on the planet or the environment. According to the bioplastic market report, bioplastics are widely utilised in packaging applications, including films, sheets, household care items, food and beverage packaging, and packaging for personal care goods. Among the most popular bioplastics used for packaging are starch blends, PLA, PBAT, PET, PE, and PBS. Bioplastics market data indicates that more manufacturers are employing bioplastics for packaging due to consumer preferences for environmentally friendly packaging and surging global landfill problem.

As per the bioplastics market research, bioplastics are commonly employed in food packaging applications in the packaging sector. Bottles, jars, and other containers made of bioplastics are also frequently used to package fresh foods. Bottles made of PLA plastic are strong, single-use, and have qualities like gloss and transparency. Unlike products made of petroleum, polylactic acid is easily compostable and does not release hazardous fumes when it is burned. Hence, it is anticipated that throughout the forecast period, the demand for the bioplastics industry trends will continue to be very high.

Increasing Demand for Bioplastics in the Automotive Sector to Propel the Market Growth of Bioplastics

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According to the bioplastics market analysis, the automotive and transportation segment is driving the market growth of bioplastics. The increasing production and sales of automobiles due to the rising middle-class income are resulting in the growing use of bioplastics in the manufacture of vehicles, thereby propelling the market expansion of bioplastics. The bioplastics market report indicates that the wide adoption of bioplastics like bio-polyamides, polybutylene succinate over metals and fossil-based plastics in automotive manufacturing owing to its exceptional characteristics such as sustainability, lower carbon footprint, reduced dependency on fossil resources, and lightweight are significantly catalysing the market development of bioplastics. The rising inclination of customers toward environment friendly vehicles is also resulting in the steady increase of the bioplastic market share. The research done by leading automobile manufacturers such as Ford and Toyota in using bioplastics for a bright future in the vehicle manufacturing sector is likely to aid the market for bioplastics over the forecast period.

Market Segmentation

Bioplastics are diverse groups of environmentally friendly plastics that are produced from renewable biomass sources such as crops or plants. They are biodegradable within a short time range and serve as an alternative to petroleum-based plastics. There are different types of bioplastics such as starch-based, cellulose-based, aliphatic polyesters, organic polyethylene, and protein-based, etc.

The market for bioplastics, by type, is divided into:

- Biodegradable?
 - ??- Starch Blends
 - ??- Polylactic Acid (PLA)
 - ??- Polybutylene Adipate Terephthalate (PBAT)
 - ??- Polybutylene Succinate (PBS)
 - ??- Polyhydroxyalkanoates (PHA)
 - ??- Others

- Non-Biodegradable

- ??- Bio-Polyethylene Terephthalate (Bio-PET)
 - ??- Bio-Polyamide (Bio-PA)
 - ??- Bio-Polyethene (Bio-PE)
 - ??- Bio-Polytrimethylene Terephthalate (Bio-PTT)
 - ??- Others

Based on application, the market is segmented into:

- Rigid Packaging
 - ??- Bottles and Jars
 - ??- Trays
 - ??- Others
- Flexible Packaging
 - ??- Pouches
 - ??- Shopping/ Waste Bags
 - ??- Others

- Textiles
- Automotive and Transportation
- Agriculture and Horticulture
- Consumer Goods
- Others

The regional markets for bioplastics can be divided into:

- North America
- Europe
- The Asia Pacific
- Latin America
- The Middle East and Africa

Rising Environmental Consciousness to Drive the Bioplastics Market Growth

The growing use of bioplastics in various applications as an alternate to conventional plastics due to rising environmental consciousness and the emerging need to reduce the greenhouse gases and lower carbon footprint are providing impetus to the market development of bioplastics. As per the bioplastic market research, the expanding e-commerce sector and the use of bioplastics in packaging of food contact materials to reduce the dependency on fossil fuels is invigorating the market of bioplastics.

The emerging need to manage the increasing plastic waste worldwide and the growing awareness of bioplastics being a solution to plastic pollution are key bioplastics market trends. The initiatives by various governments towards circular economy by banning the single-use plastics and promoting the plastic waste management is further propelling the market. The investments made in research and development activities by the key players to expand the market and ensure that bioplastic fulfils the needs of the global market is expected to augment the bioplastic market growth over the forecast period.

At a regional level, the European bioplastics market is expected to grow at a rapid pace, supported by the growing efforts of countries and associations in the region towards increasing awareness about the benefits of bioplastics. The push towards bioplastics in Europe is guided by the increasing focus on reducing usage and dependence on fossil resources, preventing greenhouse gas emissions, and increasing efficiency of utilising renewable resources.

Key Players in the Global Bioplastics Market

The report gives a detailed analysis of the following key players in the global bioplastics market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Novamont S.p.A.
- Eastman Chemical Company
- Arkema
- Corbion NV

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- Mitsubishi Chemical Corporation
- BASF SE
- Biome Bioplastics Limited
- Futamura Group
- Polymateria Limited
- Plantic Technologies Limited
- CJ CheilJedang Corp.
- Roquette Freres
- PTT Global Chemical Public Company Limited
- FUTERRO SA
- TotalEnergies Corbion
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

Table of Contents:

- 1 Executive Summary
- 1.1 Market Size 2024-2025
- 1.2 Market Growth 2025(F)-2034(F)
- 1.3 Key Demand Drivers
- 1.4 Key Players and Competitive Structure
- 1.5 Industry Best Practices
- 1.6 Recent Trends and Developments
- 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
- 2.1 Market Trends
- 2.2 Key Verticals
- 2.3 Key Regions
- 2.4 Supplier Power
- 2.5 Buyer Power
- 2.6 Key Market Opportunities and Risks
- 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary

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- 3.1 GDP Outlook
- 3.2 GDP Per Capita Growth
- 3.3 Inflation Trends
- 3.4 Democracy Index
- 3.5 Gross Public Debt Ratios
- 3.6 Balance of Payment (BoP) Position
- 3.7 Population Outlook
- 3.8 Urbanisation Trends
- 4 Country Risk Profiles
- 4.1 Country Risk
- 4.2 Business Climate
- 5 Global Bioplastics Market Analysis
- 5.1 Key Industry Highlights
- 5.2 Global Bioplastics Historical Market (2018-2024)
- 5.3 Global Bioplastics Market Forecast (2025-2034)
- 5.4 Global Bioplastics Market by Type
- 5.4.1 Biodegradable
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)
 - 5.4.1.3 Breakup by Type
 - 5.4.1.3.1 Starch Blends
 - 5.4.1.3.2 Polylactic Acid (PLA)
 - 5.4.1.3.3 Polybutylene Adipate Terephthalate (PBAT)
 - 5.4.1.3.4 Polybutylene Succinate (PBS)
 - 5.4.1.3.5 Polyhydroxyalkanoates (PHA)
 - 5.4.1.3.6 Others
 - 5.4.2 Non-Biodegradable
 - 5.4.2.1 Historical Trend (2018-2024)
 - 5.4.2.2 Forecast Trend (2025-2034)
 - 5.4.2.3 Breakup by Type
 - 5.4.2.3.1 Bio-Polyethylene Terephthalate (Bio-PET)
 - 5.4.2.3.2 Bio-Polyamide (Bio-PA)
 - 5.4.2.3.3 Bio-Polyethene (Bio-PE)
 - 5.4.2.3.4 Bio-Polytrimethylene Terephthalate (Bio-PTT)
 - 5.4.2.3.5 Others
 - 5.5 Global Bioplastics Market by Application
 - 5.5.1 Rigid Packaging
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.1.3 Breakup by Type
 - 5.5.1.3.1 Bottles and Jars
 - 5.5.1.3.2 Trays
 - 5.5.1.3.3 Others
 - 5.5.2 Flexible Packaging
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.2.3 Breakup by Type

5.5.2.3.1 Pouches
5.5.2.3.2 Shopping/ Waste Bags
5.5.2.3.3 Others
5.5.3 Textiles
5.5.3.1 Historical Trend (2018-2024)
5.5.3.2 Forecast Trend (2025-2034)
5.5.4 Automotive and Transportation
5.5.4.1 Historical Trend (2018-2024)
5.5.4.2 Forecast Trend (2025-2034)
5.5.5 Agriculture and Horticulture
5.5.5.1 Historical Trend (2018-2024)
5.5.5.2 Forecast Trend (2025-2034)
5.5.6 Consumer Goods
5.5.6.1 Historical Trend (2018-2024)
5.5.6.2 Forecast Trend (2025-2034)
5.5.7 Others
5.6 Global Bioplastics Market by Region
5.6.1 North America
5.6.1.1 Historical Trend (2018-2024)
5.6.1.2 Forecast Trend (2025-2034)
5.6.2 Europe
5.6.2.1 Historical Trend (2018-2024)
5.6.2.2 Forecast Trend (2025-2034)
5.6.3 Asia Pacific
5.6.3.1 Historical Trend (2018-2024)
5.6.3.2 Forecast Trend (2025-2034)
5.6.4 Latin America
5.6.4.1 Historical Trend (2018-2024)
5.6.4.2 Forecast Trend (2025-2034)
5.6.5 Middle East and Africa
5.6.5.1 Historical Trend (2018-2024)
5.6.5.2 Forecast Trend (2025-2034)
6 North America Bioplastics Market Analysis
6.1 United States of America
6.1.1 Historical Trend (2018-2024)
6.1.2 Forecast Trend (2025-2034)
6.2 Canada
6.2.1 Historical Trend (2018-2024)
6.2.2 Forecast Trend (2025-2034)
7 Europe Bioplastics Market Analysis
7.1 United Kingdom
7.1.1 Historical Trend (2018-2024)
7.1.2 Forecast Trend (2025-2034)
7.2 Germany
7.2.1 Historical Trend (2018-2024)
7.2.2 Forecast Trend (2025-2034)
7.3 France

7.3.1 Historical Trend (2018-2024)

7.3.2 Forecast Trend (2025-2034)

7.4 Italy

7.4.1 Historical Trend (2018-2024)

7.4.2 Forecast Trend (2025-2034)

7.5 Others

8 Asia Pacific Bioplastics Market Analysis

8.1 China

8.1.1 Historical Trend (2018-2024)

8.1.2 Forecast Trend (2025-2034)

8.2 Japan

8.2.1 Historical Trend (2018-2024)

8.2.2 Forecast Trend (2025-2034)

8.3 India

8.3.1 Historical Trend (2018-2024)

8.3.2 Forecast Trend (2025-2034)

8.4 ASEAN

8.4.1 Historical Trend (2018-2024)

8.4.2 Forecast Trend (2025-2034)

8.5 Australia

8.5.1 Historical Trend (2018-2024)

8.5.2 Forecast Trend (2025-2034)

8.6 Others

9 Latin America Bioplastics Market Analysis

9.1 Brazil

9.1.1 Historical Trend (2018-2024)

9.1.2 Forecast Trend (2025-2034)

9.2 Argentina

9.2.1 Historical Trend (2018-2024)

9.2.2 Forecast Trend (2025-2034)

9.3 Mexico

9.3.1 Historical Trend (2018-2024)

9.3.2 Forecast Trend (2025-2034)

9.4 Others

10 Middle East and Africa Bioplastics Market Analysis

10.1 Saudi Arabia

10.1.1 Historical Trend (2018-2024)

10.1.2 Forecast Trend (2025-2034)

10.2 United Arab Emirates

10.2.1 Historical Trend (2018-2024)

10.2.2 Forecast Trend (2025-2034)

10.3 Nigeria

10.3.1 Historical Trend (2018-2024)

10.3.2 Forecast Trend (2025-2034)

10.4 South Africa

10.4.1 Historical Trend (2018-2024)

10.4.2 Forecast Trend (2025-2034)

10.5 Others
11 Market Dynamics
11.1 SWOT Analysis
11.1.1 Strengths
11.1.2 Weaknesses
11.1.3 Opportunities
11.1.4 Threats
11.2 Porter's Five Forces Analysis
11.2.1 Supplier's Power
11.2.2 Buyer's Power
11.2.3 Threat of New Entrants
11.2.4 Degree of Rivalry
11.2.5 Threat of Substitutes
11.3 Key Indicators for Demand
11.4 Key Indicators for Price
12 Value Chain Analysis
13 Price Analysis
14 Competitive Landscape
14.1 Supplier Selection
14.2 Key Global Players
14.3 Key Regional Players
14.4 Key Player Strategies
14.5 Company Profiles
14.5.1 Novamont S.p.A.
14.5.1.1 Company Overview
14.5.1.2 Product Portfolio
14.5.1.3 Demographic Reach and Achievements
14.5.1.4 Certifications
14.5.2 Eastman Chemical Company
14.5.2.1 Company Overview
14.5.2.2 Product Portfolio
14.5.2.3 Demographic Reach and Achievements
14.5.2.4 Certifications
14.5.3 Arkema
14.5.3.1 Company Overview
14.5.3.2 Product Portfolio
14.5.3.3 Demographic Reach and Achievements
14.5.3.4 Certifications
14.5.4 Corbion NV
14.5.4.1 Company Overview
14.5.4.2 Product Portfolio
14.5.4.3 Demographic Reach and Achievements
14.5.4.4 Certifications
14.5.5 Mitsubishi Chemical Corporation
14.5.5.1 Company Overview
14.5.5.2 Product Portfolio
14.5.5.3 Demographic Reach and Achievements

- 14.5.5.4 Certifications
- 14.5.6 BASF SE
- 14.5.6.1 Company Overview
- 14.5.6.2 Product Portfolio
- 14.5.6.3 Demographic Reach and Achievements
- 14.5.6.4 Certifications
- 14.5.7 Biome Bioplastics Limited
- 14.5.7.1 Company Overview
- 14.5.7.2 Product Portfolio
- 14.5.7.3 Demographic Reach and Achievements
- 14.5.7.4 Certifications
- 14.5.8 Futamura Group
- 14.5.8.1 Company Overview
- 14.5.8.2 Product Portfolio
- 14.5.8.3 Demographic Reach and Achievements
- 14.5.8.4 Certifications
- 14.5.9 Polymateria Limited
- 14.5.9.1 Company Overview
- 14.5.9.2 Product Portfolio
- 14.5.9.3 Demographic Reach and Achievements
- 14.5.9.4 Certifications
- 14.5.10 Plantic Technologies Limited
- 14.5.10.1 Company Overview
- 14.5.10.2 Product Portfolio
- 14.5.10.3 Demographic Reach and Achievements
- 14.5.10.4 Certifications
- 14.5.11 CJ CheilJedang Corp.
- 14.5.11.1 Company Overview
- 14.5.11.2 Product Portfolio
- 14.5.11.3 Demographic Reach and Achievements
- 14.5.11.4 Certifications
- 14.5.12 Roquette Freres
- 14.5.12.1 Company Overview
- 14.5.12.2 Product Portfolio
- 14.5.12.3 Demographic Reach and Achievements
- 14.5.12.4 Certifications
- 14.5.13 PTT Global Chemical Public Company Limited
- 14.5.13.1 Company Overview
- 14.5.13.2 Product Portfolio
- 14.5.13.3 Demographic Reach and Achievements
- 14.5.13.4 Certifications
- 14.5.14 FUTERRO SA
- 14.5.14.1 Company Overview
- 14.5.14.2 Product Portfolio
- 14.5.14.3 Demographic Reach and Achievements
- 14.5.14.4 Certifications
- 14.5.15 TotalEnergies Corbion

14.5.15.1 Company Overview

14.5.15.2 Product Portfolio

14.5.15.3 Demographic Reach and Achievements

14.5.15.4 Certifications

14.5.16 Others

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