

Global Biobased Polylactic Acid (PLA) Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/GB466F9E1F00EN.html>

Date: February 2026

Pages: 147

Price: US\$ 2,980.00 (Single User License)

ID: GB466F9E1F00EN

Abstracts

Bio-based polylactic acid is a biodegradable polymer material, which is made from biomass materials such as sugar, starch and cellulose as raw materials, which are fermented to make lactic acid, and then polymerized from lactic acid to make polylactic acid polymer material. The increasing global focus on sustainability, environmental regulations, and consumer preferences for eco-friendly products is a major driver for PLA demand. PLA is biodegradable, compostable, and derived from renewable sources (like corn starch or sugarcane), positioning it as an alternative to traditional petroleum-based plastics. Many governments are introducing stringent regulations to reduce plastic waste, promoting the use of biodegradable materials like PLA. For instance, bans on single-use plastics and incentives for using bio-based materials help fuel PLA market growth. The packaging industry is one of the largest consumers of PLA due to its biodegradability and compostability. Food packaging, in particular, benefits from PLA's properties, aligning with increasing consumer demand for sustainable packaging in retail and food service sectors. Advancements in production technologies are lowering the costs and improving the mechanical properties of PLA, making it competitive with conventional plastics in various applications. Continuous R&D into enhanced PLA blends and composites is expanding its use in more demanding applications. Currently, the biggest technical barrier for the polylactic acid industry is the production of lactide. Impacted by the supply of lactide, Chinese polylactic acid manufacturers can't release production capacity quickly.

The global Biobased Polylactic Acid (PLA) market size was estimated at USD 1170.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 3.60% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Biobased

Polylactic Acid (PLA) market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Biobased Polymeric Acid (PLA) market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Biobased Polymeric Acid (PLA) market.

Global Biobased Polymeric Acid (PLA) Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

NatureWorks
Total Corbion

BEWiSynbra
Toray
Futero
Sulzer
Unitika
Zhejiang Hisun Biomaterials
Shanghai Tong-Jie-Liang
Anhui BBKA Biochemical
COFCO Biotechnology
PLIITH Biotechnology

Market Segmentation (by Type)

Injection Grade
Film Grade
Sheet Grade
Fiber Grade
Other

Market Segmentation (by Application)

Tableware and Utensils
Food & Beverage Packaging
Electronics and Electrical Appliances
Medical & Personal Care
3D Printing Supplies
Other

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Biobased Polylactic Acid (PLA) Market
Overview of the regional outlook of the Biobased Polylactic Acid (PLA) Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Biobased Polylactic Acid (PLA) Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Biobased Polylactic Acid (PLA), their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Biobased Polylactic Acid (PLA)

1.2 Key Market Segments

1.2.1 Biobased Polylactic Acid (PLA) Segment by Type

1.2.2 Biobased Polylactic Acid (PLA) Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 BIOBASED POLYLACTIC ACID (PLA) MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Biobased Polylactic Acid (PLA) Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Biobased Polylactic Acid (PLA) Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 BIOBASED POLYLACTIC ACID (PLA) MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Biobased Polylactic Acid (PLA) Product Life Cycle

3.3 Global Biobased Polylactic Acid (PLA) Sales by Manufacturers (2020-2025)

3.4 Global Biobased Polylactic Acid (PLA) Revenue Market Share by Manufacturers (2020-2025)

3.5 Biobased Polylactic Acid (PLA) Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Biobased Polylactic Acid (PLA) Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Biobased Polylactic Acid (PLA) Market Competitive Situation and Trends

3.8.1 Biobased Polylactic Acid (PLA) Market Concentration Rate

3.8.2 Global 5 and 10 Largest Biobased Polylactic Acid (PLA) Players Market Share by

Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 BIOBASED POLYLACTIC ACID (PLA) INDUSTRY CHAIN ANALYSIS

4.1 Biobased Polylactic Acid (PLA) Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF BIOBASED POLYLACTIC ACID (PLA) MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Biobased Polylactic Acid (PLA) Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Biobased Polylactic Acid (PLA)

Market

5.7 ESG Ratings of Leading Companies

6 BIOBASED POLYLACTIC ACID (PLA) MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Biobased Polylactic Acid (PLA) Sales Market Share by Type (2020-2025)

6.3 Global Biobased Polylactic Acid (PLA) Market Size by Type (2020-2025)

6.4 Global Biobased Polylactic Acid (PLA) Price by Type (2020-2025)

7 BIOBASED POLYLACTIC ACID (PLA) MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Biobased Polylactic Acid (PLA) Market Sales by Application (2020-2025)
- 7.3 Global Biobased Polylactic Acid (PLA) Market Size (M USD) by Application (2020-2025)
- 7.4 Global Biobased Polylactic Acid (PLA) Sales Growth Rate by Application (2020-2025)

8 BIOBASED POLYLACTIC ACID (PLA) MARKET SALES BY REGION

- 8.1 Global Biobased Polylactic Acid (PLA) Sales by Region
 - 8.1.1 Global Biobased Polylactic Acid (PLA) Sales by Region
 - 8.1.2 Global Biobased Polylactic Acid (PLA) Sales Market Share by Region
- 8.2 Global Biobased Polylactic Acid (PLA) Market Size by Region
 - 8.2.1 Global Biobased Polylactic Acid (PLA) Market Size by Region
 - 8.2.2 Global Biobased Polylactic Acid (PLA) Market Size by Region
- 8.3 North America
 - 8.3.1 North America Biobased Polylactic Acid (PLA) Sales by Country
 - 8.3.2 North America Biobased Polylactic Acid (PLA) Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Biobased Polylactic Acid (PLA) Sales by Country
 - 8.4.2 Europe Biobased Polylactic Acid (PLA) Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Biobased Polylactic Acid (PLA) Sales by Region
 - 8.5.2 Asia Pacific Biobased Polylactic Acid (PLA) Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview

- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Biobased Polylactic Acid (PLA) Sales by Country
 - 8.6.2 South America Biobased Polylactic Acid (PLA) Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa Biobased Polylactic Acid (PLA) Sales by Region
 - 8.7.2 Middle East and Africa Biobased Polylactic Acid (PLA) Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 BIOBASED POLYLACTIC ACID (PLA) MARKET PRODUCTION BY REGION

- 9.1 Global Production of Biobased Polylactic Acid (PLA) by Region(2020-2025)
- 9.2 Global Biobased Polylactic Acid (PLA) Revenue Market Share by Region (2020-2025)
- 9.3 Global Biobased Polylactic Acid (PLA) Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Biobased Polylactic Acid (PLA) Production
 - 9.4.1 North America Biobased Polylactic Acid (PLA) Production Growth Rate (2020-2025)
 - 9.4.2 North America Biobased Polylactic Acid (PLA) Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Biobased Polylactic Acid (PLA) Production
 - 9.5.1 Europe Biobased Polylactic Acid (PLA) Production Growth Rate (2020-2025)
 - 9.5.2 Europe Biobased Polylactic Acid (PLA) Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Biobased Polylactic Acid (PLA) Production (2020-2025)
 - 9.6.1 Japan Biobased Polylactic Acid (PLA) Production Growth Rate (2020-2025)
 - 9.6.2 Japan Biobased Polylactic Acid (PLA) Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Biobased Polylactic Acid (PLA) Production (2020-2025)
 - 9.7.1 China Biobased Polylactic Acid (PLA) Production Growth Rate (2020-2025)

9.7.2 China Biobased Polylactic Acid (PLA) Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 NatureWorks

- 10.1.1 NatureWorks Basic Information
- 10.1.2 NatureWorks Biobased Polylactic Acid (PLA) Product Overview
- 10.1.3 NatureWorks Biobased Polylactic Acid (PLA) Product Market Performance
- 10.1.4 NatureWorks Business Overview
- 10.1.5 NatureWorks SWOT Analysis
- 10.1.6 NatureWorks Recent Developments

10.2 Total Corbion

- 10.2.1 Total Corbion Basic Information
- 10.2.2 Total Corbion Biobased Polylactic Acid (PLA) Product Overview
- 10.2.3 Total Corbion Biobased Polylactic Acid (PLA) Product Market Performance
- 10.2.4 Total Corbion Business Overview
- 10.2.5 Total Corbion SWOT Analysis
- 10.2.6 Total Corbion Recent Developments

10.3 BEWiSynbra

- 10.3.1 BEWiSynbra Basic Information
- 10.3.2 BEWiSynbra Biobased Polylactic Acid (PLA) Product Overview
- 10.3.3 BEWiSynbra Biobased Polylactic Acid (PLA) Product Market Performance
- 10.3.4 BEWiSynbra Business Overview
- 10.3.5 BEWiSynbra SWOT Analysis
- 10.3.6 BEWiSynbra Recent Developments

10.4 Toray

- 10.4.1 Toray Basic Information
- 10.4.2 Toray Biobased Polylactic Acid (PLA) Product Overview
- 10.4.3 Toray Biobased Polylactic Acid (PLA) Product Market Performance
- 10.4.4 Toray Business Overview
- 10.4.5 Toray Recent Developments

10.5 Futerro

- 10.5.1 Futerro Basic Information
- 10.5.2 Futerro Biobased Polylactic Acid (PLA) Product Overview
- 10.5.3 Futerro Biobased Polylactic Acid (PLA) Product Market Performance
- 10.5.4 Futerro Business Overview
- 10.5.5 Futerro Recent Developments

10.6 Sulzer

- 10.6.1 Sulzer Basic Information
- 10.6.2 Sulzer Biobased Polylactic Acid (PLA) Product Overview
- 10.6.3 Sulzer Biobased Polylactic Acid (PLA) Product Market Performance
- 10.6.4 Sulzer Business Overview
- 10.6.5 Sulzer Recent Developments
- 10.7 Unitika
 - 10.7.1 Unitika Basic Information
 - 10.7.2 Unitika Biobased Polylactic Acid (PLA) Product Overview
 - 10.7.3 Unitika Biobased Polylactic Acid (PLA) Product Market Performance
 - 10.7.4 Unitika Business Overview
 - 10.7.5 Unitika Recent Developments
- 10.8 Zhejiang Hisun Biomaterials
 - 10.8.1 Zhejiang Hisun Biomaterials Basic Information
 - 10.8.2 Zhejiang Hisun Biomaterials Biobased Polylactic Acid (PLA) Product Overview
 - 10.8.3 Zhejiang Hisun Biomaterials Biobased Polylactic Acid (PLA) Product Market Performance
 - 10.8.4 Zhejiang Hisun Biomaterials Business Overview
 - 10.8.5 Zhejiang Hisun Biomaterials Recent Developments
- 10.9 Shanghai Tong-Jie-Liang
 - 10.9.1 Shanghai Tong-Jie-Liang Basic Information
 - 10.9.2 Shanghai Tong-Jie-Liang Biobased Polylactic Acid (PLA) Product Overview
 - 10.9.3 Shanghai Tong-Jie-Liang Biobased Polylactic Acid (PLA) Product Market Performance
 - 10.9.4 Shanghai Tong-Jie-Liang Business Overview
 - 10.9.5 Shanghai Tong-Jie-Liang Recent Developments
- 10.10 Anhui BBKA Biochemical
 - 10.10.1 Anhui BBKA Biochemical Basic Information
 - 10.10.2 Anhui BBKA Biochemical Biobased Polylactic Acid (PLA) Product Overview
 - 10.10.3 Anhui BBKA Biochemical Biobased Polylactic Acid (PLA) Product Market Performance
 - 10.10.4 Anhui BBKA Biochemical Business Overview
 - 10.10.5 Anhui BBKA Biochemical Recent Developments
- 10.11 COFCO Biotechnology
 - 10.11.1 COFCO Biotechnology Basic Information
 - 10.11.2 COFCO Biotechnology Biobased Polylactic Acid (PLA) Product Overview
 - 10.11.3 COFCO Biotechnology Biobased Polylactic Acid (PLA) Product Market Performance
 - 10.11.4 COFCO Biotechnology Business Overview
 - 10.11.5 COFCO Biotechnology Recent Developments

10.12 PLIITH Biotechnology

10.12.1 PLIITH Biotechnology Basic Information

10.12.2 PLIITH Biotechnology Biobased Polylactic Acid (PLA) Product Overview

10.12.3 PLIITH Biotechnology Biobased Polylactic Acid (PLA) Product Market Performance

10.12.4 PLIITH Biotechnology Business Overview

10.12.5 PLIITH Biotechnology Recent Developments

11 BIOBASED POLYLACTIC ACID (PLA) MARKET FORECAST BY REGION

11.1 Global Biobased Polylactic Acid (PLA) Market Size Forecast

11.2 Global Biobased Polylactic Acid (PLA) Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Biobased Polylactic Acid (PLA) Market Size Forecast by Country

11.2.3 Asia Pacific Biobased Polylactic Acid (PLA) Market Size Forecast by Region

11.2.4 South America Biobased Polylactic Acid (PLA) Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Biobased Polylactic Acid (PLA) by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Biobased Polylactic Acid (PLA) Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Biobased Polylactic Acid (PLA) by Type (2026-2035)

12.1.2 Global Biobased Polylactic Acid (PLA) Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Biobased Polylactic Acid (PLA) by Type (2026-2035)

12.2 Global Biobased Polylactic Acid (PLA) Market Forecast by Application (2026-2035)

12.2.1 Global Biobased Polylactic Acid (PLA) Sales (K MT) Forecast by Application

12.2.2 Global Biobased Polylactic Acid (PLA) Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Biobased Polylactic Acid (PLA) Market Size by Type (M USD)

Table 4. Global Biobased Polylactic Acid (PLA) Market Size by Application

Table 5. Biobased Polylactic Acid (PLA) Market Size Comparison by Region (M USD)

Table 6. Global Biobased Polylactic Acid (PLA) Sales (K MT) by Manufacturers
(2020-2025)

Table 7. Global Biobased Polylactic Acid (PLA) Sales Market Share by Manufacturers
(2020-2025)

Table 8. Global Biobased Polylactic Acid (PLA) Revenue (M USD) by Manufacturers
(2020-2025)

Table 9. Global Biobased Polylactic Acid (PLA) Revenue Share by Manufacturers
(2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in
Biobased Polylactic Acid (PLA) as of 2025)

Table 11. Global Market Biobased Polylactic Acid (PLA) Average Price (USD/KG) of
Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Biobased Polylactic Acid (PLA) Manufacturers Market Concentration
Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Biobased Polylactic Acid (PLA) Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading
Countries

Table 26. Global Biobased Polylactic Acid (PLA) Sales by Type (K MT)

Table 27. Global Biobased Polylactic Acid (PLA) Market Size by Type (M USD)

Table 28. Global Biobased Polylactic Acid (PLA) Sales (K MT) by Type (2020-2025)

Table 29. Global Biobased Polylactic Acid (PLA) Sales Market Share by Type (2020-2025)

Table 30. Global Biobased Polylactic Acid (PLA) Market Size (M USD) by Type (2020-2025)

Table 31. Global Biobased Polylactic Acid (PLA) Market Share by Type (2020-2025)

Table 32. Global Biobased Polylactic Acid (PLA) Price (USD/KG) by Type (2020-2025)

Table 33. Global Biobased Polylactic Acid (PLA) Sales (K MT) by Application

Table 34. Global Biobased Polylactic Acid (PLA) Market Size by Application

Table 35. Global Biobased Polylactic Acid (PLA) Sales by Application (2020-2025) & (K MT)

Table 36. Global Biobased Polylactic Acid (PLA) Sales Market Share by Application (2020-2025)

Table 37. Global Biobased Polylactic Acid (PLA) Market Size by Application (2020-2025) & (M USD)

Table 38. Global Biobased Polylactic Acid (PLA) Market Share by Application (2020-2025)

Table 39. Global Biobased Polylactic Acid (PLA) Sales Growth Rate by Application (2020-2025)

Table 40. Global Biobased Polylactic Acid (PLA) Sales by Region (2020-2025) & (K MT)

Table 41. Global Biobased Polylactic Acid (PLA) Sales Market Share by Region (2020-2025)

Table 42. Global Biobased Polylactic Acid (PLA) Market Size by Region (2020-2025) & (M USD)

Table 43. Global Biobased Polylactic Acid (PLA) Market Size by Region (2020-2025)

Table 44. North America Biobased Polylactic Acid (PLA) Sales by Country (2020-2025) & (K MT)

Table 45. North America Biobased Polylactic Acid (PLA) Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Biobased Polylactic Acid (PLA) Sales by Country (2020-2025) & (K MT)

Table 47. Europe Biobased Polylactic Acid (PLA) Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Biobased Polylactic Acid (PLA) Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific Biobased Polylactic Acid (PLA) Market Size by Region (2020-2025) & (M USD)

Table 50. South America Biobased Polylactic Acid (PLA) Sales by Country (2020-2025) & (K MT)

Table 51. South America Biobased Polylactic Acid (PLA) Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Biobased Polylactic Acid (PLA) Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa Biobased Polylactic Acid (PLA) Market Size by Region (2020-2025) & (M USD)

Table 54. Global Biobased Polylactic Acid (PLA) Production (K MT) by Region(2020-2025)

Table 55. Global Biobased Polylactic Acid (PLA) Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Biobased Polylactic Acid (PLA) Revenue Market Share by Region (2020-2025)

Table 57. Global Biobased Polylactic Acid (PLA) Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America Biobased Polylactic Acid (PLA) Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe Biobased Polylactic Acid (PLA) Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan Biobased Polylactic Acid (PLA) Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China Biobased Polylactic Acid (PLA) Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. NatureWorks Basic Information

Table 63. NatureWorks Biobased Polylactic Acid (PLA) Product Overview

Table 64. NatureWorks Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. NatureWorks Business Overview

Table 66. NatureWorks SWOT Analysis

Table 67. NatureWorks Recent Developments

Table 68. Total Corbion Basic Information

Table 69. Total Corbion Biobased Polylactic Acid (PLA) Product Overview

Table 70. Total Corbion Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Total Corbion Business Overview

Table 72. Total Corbion SWOT Analysis

Table 73. Total Corbion Recent Developments

Table 74. BEWiSynbra Basic Information

Table 75. BEWiSynbra Biobased Polylactic Acid (PLA) Product Overview

Table 76. BEWiSynbra Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M

USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 77. BEWiSynbra Business Overview

Table 78. BEWiSynbra SWOT Analysis

Table 79. BEWiSynbra Recent Developments

Table 80. Toray Basic Information

Table 81. Toray Biobased Polylactic Acid (PLA) Product Overview

Table 82. Toray Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 83. Toray Business Overview

Table 84. Toray Recent Developments

Table 85. Futerro Basic Information

Table 86. Futerro Biobased Polylactic Acid (PLA) Product Overview

Table 87. Futerro Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 88. Futerro Business Overview

Table 89. Futerro Recent Developments

Table 90. Sulzer Basic Information

Table 91. Sulzer Biobased Polylactic Acid (PLA) Product Overview

Table 92. Sulzer Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 93. Sulzer Business Overview

Table 94. Sulzer Recent Developments

Table 95. Unitika Basic Information

Table 96. Unitika Biobased Polylactic Acid (PLA) Product Overview

Table 97. Unitika Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 98. Unitika Business Overview

Table 99. Unitika Recent Developments

Table 100. Zhejiang Hisun Biomaterials Basic Information

Table 101. Zhejiang Hisun Biomaterials Biobased Polylactic Acid (PLA) Product Overview

Table 102. Zhejiang Hisun Biomaterials Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 103. Zhejiang Hisun Biomaterials Business Overview

Table 104. Zhejiang Hisun Biomaterials Recent Developments

Table 105. Shanghai Tong-Jie-Liang Basic Information

Table 106. Shanghai Tong-Jie-Liang Biobased Polylactic Acid (PLA) Product Overview

Table 107. Shanghai Tong-Jie-Liang Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 108. Shanghai Tong-Jie-Liang Business Overview
Table 109. Shanghai Tong-Jie-Liang Recent Developments
Table 110. Anhui BBKA Biochemical Basic Information
Table 111. Anhui BBKA Biochemical Biobased Polylactic Acid (PLA) Product Overview
Table 112. Anhui BBKA Biochemical Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 113. Anhui BBKA Biochemical Business Overview
Table 114. Anhui BBKA Biochemical Recent Developments
Table 115. COFCO Biotechnology Basic Information
Table 116. COFCO Biotechnology Biobased Polylactic Acid (PLA) Product Overview
Table 117. COFCO Biotechnology Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 118. COFCO Biotechnology Business Overview
Table 119. COFCO Biotechnology Recent Developments
Table 120. PLIITH Biotechnology Basic Information
Table 121. PLIITH Biotechnology Biobased Polylactic Acid (PLA) Product Overview
Table 122. PLIITH Biotechnology Biobased Polylactic Acid (PLA) Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 123. PLIITH Biotechnology Business Overview
Table 124. PLIITH Biotechnology Recent Developments
Table 125. Global Biobased Polylactic Acid (PLA) Sales Forecast by Region (2026-2035) & (K MT)
Table 126. Global Biobased Polylactic Acid (PLA) Market Size Forecast by Region (2026-2035) & (M USD)
Table 127. North America Biobased Polylactic Acid (PLA) Sales Forecast by Country (2026-2035) & (K MT)
Table 128. North America Biobased Polylactic Acid (PLA) Market Size Forecast by Country (2026-2035) & (M USD)
Table 129. Europe Biobased Polylactic Acid (PLA) Sales Forecast by Country (2026-2035) & (K MT)
Table 130. Europe Biobased Polylactic Acid (PLA) Market Size Forecast by Country (2026-2035) & (M USD)
Table 131. Asia Pacific Biobased Polylactic Acid (PLA) Sales Forecast by Region (2026-2035) & (K MT)
Table 132. Asia Pacific Biobased Polylactic Acid (PLA) Market Size Forecast by Region (2026-2035) & (M USD)
Table 133. South America Biobased Polylactic Acid (PLA) Sales Forecast by Country (2026-2035) & (K MT)
Table 134. South America Biobased Polylactic Acid (PLA) Market Size Forecast by

Country (2026-2035) & (M USD)

Table 135. Middle East and Africa Biobased Polylactic Acid (PLA) Sales Forecast by Country (2026-2035) & (Units)

Table 136. Middle East and Africa Biobased Polylactic Acid (PLA) Market Size Forecast by Country (2026-2035) & (M USD)

Table 137. Global Biobased Polylactic Acid (PLA) Sales Forecast by Type (2026-2035) & (K MT)

Table 138. Global Biobased Polylactic Acid (PLA) Market Size Forecast by Type (2026-2035) & (M USD)

Table 139. Global Biobased Polylactic Acid (PLA) Price Forecast by Type (2026-2035) & (USD/KG)

Table 140. Global Biobased Polylactic Acid (PLA) Sales (K MT) Forecast by Application (2026-2035)

Table 141. Global Biobased Polylactic Acid (PLA) Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Biobased Polylactic Acid (PLA)
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Biobased Polylactic Acid (PLA) Market Size (M USD), 2025-2035
- Figure 5. Global Biobased Polylactic Acid (PLA) Market Size (M USD) (2020-2035)
- Figure 6. Global Biobased Polylactic Acid (PLA) Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Biobased Polylactic Acid (PLA) Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Biobased Polylactic Acid (PLA) Product Life Cycle
- Figure 13. Biobased Polylactic Acid (PLA) Sales Share by Manufacturers in 2025
- Figure 14. Global Biobased Polylactic Acid (PLA) Revenue Share by Manufacturers in 2025
- Figure 15. Biobased Polylactic Acid (PLA) Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Biobased Polylactic Acid (PLA) Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Biobased Polylactic Acid (PLA) Revenue in 2025
- Figure 18. Industry Chain Map of Biobased Polylactic Acid (PLA)
- Figure 19. Global Biobased Polylactic Acid (PLA) Market PEST Analysis
- Figure 20. Global Biobased Polylactic Acid (PLA) Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Biobased Polylactic Acid (PLA) Market Share by Type
- Figure 27. Sales Market Share of Biobased Polylactic Acid (PLA) by Type (2020-2025)
- Figure 28. Sales Market Share of Biobased Polylactic Acid (PLA) by Type in 2025
- Figure 29. Market Share of Biobased Polylactic Acid (PLA) by Type (2020-2025)
- Figure 30. Market Share of Biobased Polylactic Acid (PLA) by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Biobased Polylactic Acid (PLA) Market Share by Application

Figure 33. Global Biobased Polylactic Acid (PLA) Sales Market Share by Application (2020-2025)

Figure 34. Global Biobased Polylactic Acid (PLA) Sales Market Share by Application in 2025

Figure 35. Global Biobased Polylactic Acid (PLA) Market Share by Application (2020-2025)

Figure 36. Global Biobased Polylactic Acid (PLA) Market Share by Application in 2025

Figure 37. Global Biobased Polylactic Acid (PLA) Sales Growth Rate by Application (2020-2025)

Figure 38. Global Biobased Polylactic Acid (PLA) Sales Market Share by Region (2020-2025)

Figure 39. Global Biobased Polylactic Acid (PLA) Market Size by Region (2020-2025)

Figure 40. North America Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Biobased Polylactic Acid (PLA) Sales Market Share by Country in 2024

Figure 43. North America Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Biobased Polylactic Acid (PLA) Market Size by Country in 2024

Figure 45. U.S. Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Biobased Polylactic Acid (PLA) Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Biobased Polylactic Acid (PLA) Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Biobased Polylactic Acid (PLA) Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Biobased Polylactic Acid (PLA) Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Biobased Polylactic Acid (PLA) Sales Market Share by Country in 2024

Figure 53. Europe Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Biobased Polylactic Acid (PLA) Market Size by Country in 2024

Figure 55. Germany Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Biobased Polylactic Acid (PLA) Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Biobased Polylactic Acid (PLA) Sales Market Share by Region in 2024

Figure 67. Asia Pacific Biobased Polylactic Acid (PLA) Market Size by Region in 2024

Figure 68. China Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Biobased Polylactic Acid (PLA) Sales and Growth Rate (K MT)

Figure 79. South America Biobased Polylactic Acid (PLA) Sales Market Share by Country in 2024

Figure 80. South America Biobased Polylactic Acid (PLA) Market Size and Growth Rate (M USD)

Figure 81. South America Biobased Polylactic Acid (PLA) Market Size by Country in 2024

Figure 82. Brazil Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Biobased Polylactic Acid (PLA) Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Biobased Polylactic Acid (PLA) Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Biobased Polylactic Acid (PLA) Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Biobased Polylactic Acid (PLA) Market Size by Region in 2024

Figure 92. Saudi Arabia Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Biobased Polylactic Acid (PLA) Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 94. UAE Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Biobased Polylactic Acid (PLA) Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Biobased Polylactic Acid (PLA) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Biobased Polylactic Acid (PLA) Production Market Share by Region (2020-2025)

Figure 103. North America Biobased Polylactic Acid (PLA) Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Biobased Polylactic Acid (PLA) Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Biobased Polylactic Acid (PLA) Production (K MT) Growth Rate (2020-2025)

Figure 106. China Biobased Polylactic Acid (PLA) Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Biobased Polylactic Acid (PLA) Sales Forecast by Volume (2020-2035) & (K MT)

Figure 108. Global Biobased Polylactic Acid (PLA) Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Biobased Polylactic Acid (PLA) Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Biobased Polylactic Acid (PLA) Market Share Forecast by Type (2026-2035)

Figure 111. Global Biobased Polylactic Acid (PLA) Sales Forecast by Application (2026-2035)

Figure 112. Global Biobased Polylactic Acid (PLA) Market Share Forecast by Application (2026-2035)

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