

Global Polylactic Acid (PLA) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Polylactic Acid (PLA) market size is expected to reach \$ 1487 million by 2032, rising at a market growth of 6.7% CAGR during the forecast period (2026-2032).

PLA, or polylactic acid, can be produced from any fermentable sugar. Most PLA is made from corn because corn is one of the cheapest and most available sugars globally. However, sugarcane, tapioca root, cassava, and sugar beet pulp are other options.

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.

This report studies the global Polylactic Acid (PLA) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polylactic Acid (PLA) 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 Polylactic Acid (PLA) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Polylactic Acid (PLA) total production and demand, 2021-2032, (K MT)

Global Polylactic Acid (PLA) total production value, 2021-2032, (USD Million)

Global Polylactic Acid (PLA) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Polylactic Acid (PLA) consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Polylactic Acid (PLA) domestic production, consumption, key domestic manufacturers and share

Global Polylactic Acid (PLA) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Polylactic Acid (PLA) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Polylactic Acid (PLA) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Polylactic Acid (PLA) 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 NatureWorks, TotalEnergies Corbion, BEWiSynbra, Toray, Futerro, Unitika, Zhejiang Hisun Biomaterials, Anhui BBKA Biochemical, Shanghai Tong-Jie-Liang, PLIITH Biotechnology, 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 Polylactic Acid (PLA) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) 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 Polylactic Acid (PLA) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Polylactic Acid (PLA) Market, Segmentation by Type:

Injection Molding Grade

Extrusion and Thermoforming Grade

Film Grade

Fiber Grade

3D Printing Grade

Paper Coating Grade

Global Polylactic Acid (PLA) Market, Segmentation by Application:

Tableware and Utensils

Food and Beverage Packaging

Electronics and Electrical Appliances

Medical Care

3D Printing Consumables

Other

Companies Profiled:

NatureWorks

TotalEnergies Corbion

BEWiSynbra

Toray

Futero

Unitika

Zhejiang Hisun Biomaterials

Anhui BBKA Biochemical

Shanghai Tong-Jie-Liang

PLIITH Biotechnology

Key Questions Answered:

1. How big is the global Polylactic Acid (PLA) market?
2. What is the demand of the global Polylactic Acid (PLA) market?
3. What is the year over year growth of the global Polylactic Acid (PLA) market?
4. What is the production and production value of the global Polylactic Acid (PLA) market?
5. Who are the key producers in the global Polylactic Acid (PLA) market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Polylactic Acid (PLA) Introduction
- 1.2 World Polylactic Acid (PLA) Supply & Forecast
 - 1.2.1 World Polylactic Acid (PLA) Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Polylactic Acid (PLA) Production (2021-2032)
 - 1.2.3 World Polylactic Acid (PLA) Pricing Trends (2021-2032)
- 1.3 World Polylactic Acid (PLA) Production by Region (Based on Production Site)
 - 1.3.1 World Polylactic Acid (PLA) Production Value by Region (2021-2032)
 - 1.3.2 World Polylactic Acid (PLA) Production by Region (2021-2032)
 - 1.3.3 World Polylactic Acid (PLA) Average Price by Region (2021-2032)
 - 1.3.4 North America Polylactic Acid (PLA) Production (2021-2032)
 - 1.3.5 Europe Polylactic Acid (PLA) Production (2021-2032)
 - 1.3.6 China Polylactic Acid (PLA) Production (2021-2032)
 - 1.3.7 Japan Polylactic Acid (PLA) Production (2021-2032)
 - 1.3.8 Southeast Asia Polylactic Acid (PLA) Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Polylactic Acid (PLA) Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Polylactic Acid (PLA) Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Polylactic Acid (PLA) Demand (2021-2032)
- 2.2 World Polylactic Acid (PLA) Consumption by Region
 - 2.2.1 World Polylactic Acid (PLA) Consumption by Region (2021-2026)
 - 2.2.2 World Polylactic Acid (PLA) Consumption Forecast by Region (2027-2032)
- 2.3 United States Polylactic Acid (PLA) Consumption (2021-2032)
- 2.4 China Polylactic Acid (PLA) Consumption (2021-2032)
- 2.5 Europe Polylactic Acid (PLA) Consumption (2021-2032)
- 2.6 Japan Polylactic Acid (PLA) Consumption (2021-2032)
- 2.7 South Korea Polylactic Acid (PLA) Consumption (2021-2032)
- 2.8 ASEAN Polylactic Acid (PLA) Consumption (2021-2032)
- 2.9 India Polylactic Acid (PLA) Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Polylactic Acid (PLA) Production Value by Manufacturer (2021-2026)
- 3.2 World Polylactic Acid (PLA) Production by Manufacturer (2021-2026)
- 3.3 World Polylactic Acid (PLA) Average Price by Manufacturer (2021-2026)
- 3.4 Polylactic Acid (PLA) Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Polylactic Acid (PLA) Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Polylactic Acid (PLA) in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Polylactic Acid (PLA) in 2025
- 3.6 Polylactic Acid (PLA) Market: Overall Company Footprint Analysis
 - 3.6.1 Polylactic Acid (PLA) Market: Region Footprint
 - 3.6.2 Polylactic Acid (PLA) Market: Company Product Type Footprint
 - 3.6.3 Polylactic Acid (PLA) Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Polylactic Acid (PLA) Production Value Comparison
 - 4.1.1 United States VS China: Polylactic Acid (PLA) Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Polylactic Acid (PLA) Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Polylactic Acid (PLA) Production Comparison
 - 4.2.1 United States VS China: Polylactic Acid (PLA) Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Polylactic Acid (PLA) Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Polylactic Acid (PLA) Consumption Comparison
 - 4.3.1 United States VS China: Polylactic Acid (PLA) Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Polylactic Acid (PLA) Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Polylactic Acid (PLA) Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Polylactic Acid (PLA) Manufacturers, Headquarters and

Production Site (States, Country)

4.4.2 United States Based Manufacturers Polylactic Acid (PLA) Production Value (2021-2026)

4.4.3 United States Based Manufacturers Polylactic Acid (PLA) Production (2021-2026)

4.5 China Based Polylactic Acid (PLA) Manufacturers and Market Share

4.5.1 China Based Polylactic Acid (PLA) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Polylactic Acid (PLA) Production Value (2021-2026)

4.5.3 China Based Manufacturers Polylactic Acid (PLA) Production (2021-2026)

4.6 Rest of World Based Polylactic Acid (PLA) Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Polylactic Acid (PLA) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Polylactic Acid (PLA) Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Polylactic Acid (PLA) Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Polylactic Acid (PLA) Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Injection Molding Grade

5.2.2 Extrusion and Thermoforming Grade

5.2.3 Film Grade

5.2.4 Fiber Grade

5.2.5 3D Printing Grade

5.2.6 Paper Coating Grade

5.3 Market Segment by Type

5.3.1 World Polylactic Acid (PLA) Production by Type (2021-2032)

5.3.2 World Polylactic Acid (PLA) Production Value by Type (2021-2032)

5.3.3 World Polylactic Acid (PLA) Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Polylactic Acid (PLA) Market Size Overview by Application: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Application

- 6.2.1 Tableware and Utensils
- 6.2.2 Food and Beverage Packaging
- 6.2.3 Electronics and Electrical Appliances
- 6.2.4 Medical Care
- 6.2.5 3D Printing Consumables
- 6.2.6 Other
- 6.3 Market Segment by Application
 - 6.3.1 World Polylactic Acid (PLA) Production by Application (2021-2032)
 - 6.3.2 World Polylactic Acid (PLA) Production Value by Application (2021-2032)
 - 6.3.3 World Polylactic Acid (PLA) Average Price by Application (2021-2032)

7 COMPANY PROFILES

- 7.1 NatureWorks
 - 7.1.1 NatureWorks Details
 - 7.1.2 NatureWorks Major Business
 - 7.1.3 NatureWorks Polylactic Acid (PLA) Product and Services
 - 7.1.4 NatureWorks Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.1.5 NatureWorks Recent Developments/Updates
 - 7.1.6 NatureWorks Competitive Strengths & Weaknesses
- 7.2 TotalEnergies Corbion
 - 7.2.1 TotalEnergies Corbion Details
 - 7.2.2 TotalEnergies Corbion Major Business
 - 7.2.3 TotalEnergies Corbion Polylactic Acid (PLA) Product and Services
 - 7.2.4 TotalEnergies Corbion Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.2.5 TotalEnergies Corbion Recent Developments/Updates
 - 7.2.6 TotalEnergies Corbion Competitive Strengths & Weaknesses
- 7.3 BEWiSynbra
 - 7.3.1 BEWiSynbra Details
 - 7.3.2 BEWiSynbra Major Business
 - 7.3.3 BEWiSynbra Polylactic Acid (PLA) Product and Services
 - 7.3.4 BEWiSynbra Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.3.5 BEWiSynbra Recent Developments/Updates
 - 7.3.6 BEWiSynbra Competitive Strengths & Weaknesses
- 7.4 Toray
 - 7.4.1 Toray Details

- 7.4.2 Toray Major Business
- 7.4.3 Toray Polylactic Acid (PLA) Product and Services
- 7.4.4 Toray Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.4.5 Toray Recent Developments/Updates
- 7.4.6 Toray Competitive Strengths & Weaknesses
- 7.5 Futero
- 7.5.1 Futero Details
- 7.5.2 Futero Major Business
- 7.5.3 Futero Polylactic Acid (PLA) Product and Services
- 7.5.4 Futero Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.5.5 Futero Recent Developments/Updates
- 7.5.6 Futero Competitive Strengths & Weaknesses
- 7.6 Unitika
- 7.6.1 Unitika Details
- 7.6.2 Unitika Major Business
- 7.6.3 Unitika Polylactic Acid (PLA) Product and Services
- 7.6.4 Unitika Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.6.5 Unitika Recent Developments/Updates
- 7.6.6 Unitika Competitive Strengths & Weaknesses
- 7.7 Zhejiang Hisun Biomaterials
- 7.7.1 Zhejiang Hisun Biomaterials Details
- 7.7.2 Zhejiang Hisun Biomaterials Major Business
- 7.7.3 Zhejiang Hisun Biomaterials Polylactic Acid (PLA) Product and Services
- 7.7.4 Zhejiang Hisun Biomaterials Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.7.5 Zhejiang Hisun Biomaterials Recent Developments/Updates
- 7.7.6 Zhejiang Hisun Biomaterials Competitive Strengths & Weaknesses
- 7.8 Anhui BBKA Biochemical
- 7.8.1 Anhui BBKA Biochemical Details
- 7.8.2 Anhui BBKA Biochemical Major Business
- 7.8.3 Anhui BBKA Biochemical Polylactic Acid (PLA) Product and Services
- 7.8.4 Anhui BBKA Biochemical Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.8.5 Anhui BBKA Biochemical Recent Developments/Updates
- 7.8.6 Anhui BBKA Biochemical Competitive Strengths & Weaknesses
- 7.9 Shanghai Tong-Jie-Liang

- 7.9.1 Shanghai Tong-Jie-Liang Details
- 7.9.2 Shanghai Tong-Jie-Liang Major Business
- 7.9.3 Shanghai Tong-Jie-Liang Polylactic Acid (PLA) Product and Services
- 7.9.4 Shanghai Tong-Jie-Liang Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.9.5 Shanghai Tong-Jie-Liang Recent Developments/Updates
- 7.9.6 Shanghai Tong-Jie-Liang Competitive Strengths & Weaknesses
- 7.10 PLIITH Biotechnology
 - 7.10.1 PLIITH Biotechnology Details
 - 7.10.2 PLIITH Biotechnology Major Business
 - 7.10.3 PLIITH Biotechnology Polylactic Acid (PLA) Product and Services
 - 7.10.4 PLIITH Biotechnology Polylactic Acid (PLA) Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.10.5 PLIITH Biotechnology Recent Developments/Updates
 - 7.10.6 PLIITH Biotechnology Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Polylactic Acid (PLA) Industry Chain
- 8.2 Polylactic Acid (PLA) Upstream Analysis
 - 8.2.1 Polylactic Acid (PLA) Core Raw Materials
 - 8.2.2 Main Manufacturers of Polylactic Acid (PLA) Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Polylactic Acid (PLA) Production Mode
- 8.6 Polylactic Acid (PLA) Procurement Model
- 8.7 Polylactic Acid (PLA) Industry Sales Model and Sales Channels
 - 8.7.1 Polylactic Acid (PLA) Sales Model
 - 8.7.2 Polylactic Acid (PLA) Typical Distributors

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Polylactic Acid (PLA) Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Polylactic Acid (PLA) Production Value by Region (2021-2026) & (USD Million)

Table 3. World Polylactic Acid (PLA) Production Value by Region (2027-2032) & (USD Million)

Table 4. World Polylactic Acid (PLA) Production Value Market Share by Region (2021-2026)

Table 5. World Polylactic Acid (PLA) Production Value Market Share by Region (2027-2032)

Table 6. World Polylactic Acid (PLA) Production by Region (2021-2026) & (K MT)

Table 7. World Polylactic Acid (PLA) Production by Region (2027-2032) & (K MT)

Table 8. World Polylactic Acid (PLA) Production Market Share by Region (2021-2026)

Table 9. World Polylactic Acid (PLA) Production Market Share by Region (2027-2032)

Table 10. World Polylactic Acid (PLA) Average Price by Region (2021-2026) & (USD/MT)

Table 11. World Polylactic Acid (PLA) Average Price by Region (2027-2032) & (USD/MT)

Table 12. Polylactic Acid (PLA) Major Market Trends

Table 13. World Polylactic Acid (PLA) Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K MT)

Table 14. World Polylactic Acid (PLA) Consumption by Region (2021-2026) & (K MT)

Table 15. World Polylactic Acid (PLA) Consumption Forecast by Region (2027-2032) & (K MT)

Table 16. World Polylactic Acid (PLA) Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Polylactic Acid (PLA) Producers in 2025

Table 18. World Polylactic Acid (PLA) Production by Manufacturer (2021-2026) & (K MT)

Table 19. Production Market Share of Key Polylactic Acid (PLA) Producers in 2025

Table 20. World Polylactic Acid (PLA) Average Price by Manufacturer (2021-2026) & (USD/MT)

Table 21. Global Polylactic Acid (PLA) Company Evaluation Quadrant

Table 22. World Polylactic Acid (PLA) Industry Rank of Major Manufacturers, Based on

Production Value in 2025

Table 23. Head Office and Polylactic Acid (PLA) Production Site of Key Manufacturer

Table 24. Polylactic Acid (PLA) Market: Company Product Type Footprint

Table 25. Polylactic Acid (PLA) Market: Company Product Application Footprint

Table 26. Polylactic Acid (PLA) Competitive Factors

Table 27. Polylactic Acid (PLA) New Entrant and Capacity Expansion Plans

Table 28. Polylactic Acid (PLA) Mergers & Acquisitions Activity

Table 29. United States VS China Polylactic Acid (PLA) Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Polylactic Acid (PLA) Production Comparison, (2021 & 2025 & 2032) & (K MT)

Table 31. United States VS China Polylactic Acid (PLA) Consumption Comparison, (2021 & 2025 & 2032) & (K MT)

Table 32. United States Based Polylactic Acid (PLA) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Polylactic Acid (PLA) Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Polylactic Acid (PLA) Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Polylactic Acid (PLA) Production (2021-2026) & (K MT)

Table 36. United States Based Manufacturers Polylactic Acid (PLA) Production Market Share (2021-2026)

Table 37. China Based Polylactic Acid (PLA) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Polylactic Acid (PLA) Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Polylactic Acid (PLA) Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Polylactic Acid (PLA) Production, (2021-2026) & (K MT)

Table 41. China Based Manufacturers Polylactic Acid (PLA) Production Market Share (2021-2026)

Table 42. Rest of World Based Polylactic Acid (PLA) Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Polylactic Acid (PLA) Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Polylactic Acid (PLA) Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Polylactic Acid (PLA) Production, (2021-2026) & (K MT)

Table 46. Rest of World Based Manufacturers Polylactic Acid (PLA) Production Market Share (2021-2026)

Table 47. World Polylactic Acid (PLA) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Polylactic Acid (PLA) Production by Type (2021-2026) & (K MT)

Table 49. World Polylactic Acid (PLA) Production by Type (2027-2032) & (K MT)

Table 50. World Polylactic Acid (PLA) Production Value by Type (2021-2026) & (USD Million)

Table 51. World Polylactic Acid (PLA) Production Value by Type (2027-2032) & (USD Million)

Table 52. World Polylactic Acid (PLA) Average Price by Type (2021-2026) & (USD/MT)

Table 53. World Polylactic Acid (PLA) Average Price by Type (2027-2032) & (USD/MT)

Table 54. World Polylactic Acid (PLA) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 55. World Polylactic Acid (PLA) Production by Application (2021-2026) & (K MT)

Table 56. World Polylactic Acid (PLA) Production by Application (2027-2032) & (K MT)

Table 57. World Polylactic Acid (PLA) Production Value by Application (2021-2026) & (USD Million)

Table 58. World Polylactic Acid (PLA) Production Value by Application (2027-2032) & (USD Million)

Table 59. World Polylactic Acid (PLA) Average Price by Application (2021-2026) & (USD/MT)

Table 60. World Polylactic Acid (PLA) Average Price by Application (2027-2032) & (USD/MT)

Table 61. NatureWorks Basic Information, Manufacturing Base and Competitors

Table 62. NatureWorks Major Business

Table 63. NatureWorks Polylactic Acid (PLA) Product and Services

Table 64. NatureWorks Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. NatureWorks Recent Developments/Updates

Table 66. NatureWorks Competitive Strengths & Weaknesses

Table 67. TotalEnergies Corbion Basic Information, Manufacturing Base and Competitors

Table 68. TotalEnergies Corbion Major Business

Table 69. TotalEnergies Corbion Polylactic Acid (PLA) Product and Services

Table 70. TotalEnergies Corbion Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 71. TotalEnergies Corbion Recent Developments/Updates

Table 72. TotalEnergies Corbion Competitive Strengths & Weaknesses

Table 73. BEWiSynbra Basic Information, Manufacturing Base and Competitors

Table 74. BEWiSynbra Major Business

Table 75. BEWiSynbra Polylactic Acid (PLA) Product and Services

Table 76. BEWiSynbra Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. BEWiSynbra Recent Developments/Updates

Table 78. BEWiSynbra Competitive Strengths & Weaknesses

Table 79. Toray Basic Information, Manufacturing Base and Competitors

Table 80. Toray Major Business

Table 81. Toray Polylactic Acid (PLA) Product and Services

Table 82. Toray Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 83. Toray Recent Developments/Updates

Table 84. Toray Competitive Strengths & Weaknesses

Table 85. Futerro Basic Information, Manufacturing Base and Competitors

Table 86. Futerro Major Business

Table 87. Futerro Polylactic Acid (PLA) Product and Services

Table 88. Futerro Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 89. Futerro Recent Developments/Updates

Table 90. Futerro Competitive Strengths & Weaknesses

Table 91. Unitika Basic Information, Manufacturing Base and Competitors

Table 92. Unitika Major Business

Table 93. Unitika Polylactic Acid (PLA) Product and Services

Table 94. Unitika Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 95. Unitika Recent Developments/Updates

Table 96. Unitika Competitive Strengths & Weaknesses

Table 97. Zhejiang Hisun Biomaterials Basic Information, Manufacturing Base and Competitors

Table 98. Zhejiang Hisun Biomaterials Major Business

Table 99. Zhejiang Hisun Biomaterials Polylactic Acid (PLA) Product and Services

Table 100. Zhejiang Hisun Biomaterials Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

(2021-2026)

Table 101. Zhejiang Hisun Biomaterials Recent Developments/Updates

- Table 102. Zhejiang Hisun Biomaterials Competitive Strengths & Weaknesses
- Table 103. Anhui BBCA Biochemical Basic Information, Manufacturing Base and Competitors
- Table 104. Anhui BBCA Biochemical Major Business
- Table 105. Anhui BBCA Biochemical Polylactic Acid (PLA) Product and Services
- Table 106. Anhui BBCA Biochemical Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 107. Anhui BBCA Biochemical Recent Developments/Updates
- Table 108. Anhui BBCA Biochemical Competitive Strengths & Weaknesses
- Table 109. Shanghai Tong-Jie-Liang Basic Information, Manufacturing Base and Competitors
- Table 110. Shanghai Tong-Jie-Liang Major Business
- Table 111. Shanghai Tong-Jie-Liang Polylactic Acid (PLA) Product and Services
- Table 112. Shanghai Tong-Jie-Liang Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 113. Shanghai Tong-Jie-Liang Recent Developments/Updates
- Table 114. Shanghai Tong-Jie-Liang Competitive Strengths & Weaknesses
- Table 115. PLIITH Biotechnology Basic Information, Manufacturing Base and Competitors
- Table 116. PLIITH Biotechnology Major Business
- Table 117. PLIITH Biotechnology Polylactic Acid (PLA) Product and Services
- Table 118. PLIITH Biotechnology Polylactic Acid (PLA) Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 119. PLIITH Biotechnology Recent Developments/Updates
- Table 120. PLIITH Biotechnology Competitive Strengths & Weaknesses
- Table 121. Global Key Players of Polylactic Acid (PLA) Upstream (Raw Materials)
- Table 122. Global Polylactic Acid (PLA) Typical Customers
- Table 123. Polylactic Acid (PLA) Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Polylactic Acid (PLA) Picture

Figure 2. World Polylactic Acid (PLA) Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Polylactic Acid (PLA) Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Polylactic Acid (PLA) Production (2021-2032) & (K MT)

Figure 5. World Polylactic Acid (PLA) Average Price (2021-2032) & (USD/MT)

Figure 6. World Polylactic Acid (PLA) Production Value Market Share by Region (2021-2032)

Figure 7. World Polylactic Acid (PLA) Production Market Share by Region (2021-2032)

Figure 8. North America Polylactic Acid (PLA) Production (2021-2032) & (K MT)

Figure 9. Europe Polylactic Acid (PLA) Production (2021-2032) & (K MT)

Figure 10. China Polylactic Acid (PLA) Production (2021-2032) & (K MT)

Figure 11. Japan Polylactic Acid (PLA) Production (2021-2032) & (K MT)

Figure 12. Southeast Asia Polylactic Acid (PLA) Production (2021-2032) & (K MT)

Figure 13. Polylactic Acid (PLA) Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 16. World Polylactic Acid (PLA) Consumption Market Share by Region (2021-2032)

Figure 17. United States Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 18. China Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 19. Europe Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 20. Japan Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 21. South Korea Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 22. ASEAN Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 23. India Polylactic Acid (PLA) Consumption (2021-2032) & (K MT)

Figure 24. Producer Shipments of Polylactic Acid (PLA) by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Polylactic Acid (PLA) Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Polylactic Acid (PLA) Markets in 2025

Figure 27. United States VS China: Polylactic Acid (PLA) Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Polylactic Acid (PLA) Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Polylactic Acid (PLA) Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Polylactic Acid (PLA) Production Market Share 2025

Figure 31. China Based Manufacturers Polylactic Acid (PLA) Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Polylactic Acid (PLA) Production Market Share 2025

Figure 33. World Polylactic Acid (PLA) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World Polylactic Acid (PLA) Production Value Market Share by Type in 2025

Figure 35. Injection Molding Grade

Figure 36. Extrusion and Thermoforming Grade

Figure 37. Film Grade

Figure 38. Fiber Grade

Figure 39. 3D Printing Grade

Figure 40. Paper Coating Grade

Figure 41. World Polylactic Acid (PLA) Production Market Share by Type (2021-2032)

Figure 42. World Polylactic Acid (PLA) Production Value Market Share by Type (2021-2032)

Figure 43. World Polylactic Acid (PLA) Average Price by Type (2021-2032) & (USD/MT)

Figure 44. World Polylactic Acid (PLA) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 45. World Polylactic Acid (PLA) Production Value Market Share by Application in 2025

Figure 46. Tableware and Utensils

Figure 47. Food and Beverage Packaging

Figure 48. Electronics and Electrical Appliances

Figure 49. Medical Care

Figure 50. 3D Printing Consumables

Figure 51. Other

Figure 52. World Polylactic Acid (PLA) Production Market Share by Application (2021-2032)

Figure 53. World Polylactic Acid (PLA) Production Value Market Share by Application (2021-2032)

Figure 54. World Polylactic Acid (PLA) Average Price by Application (2021-2032) & (USD/MT)

Figure 55. Polylactic Acid (PLA) Industry Chain

Figure 56. Polylactic Acid (PLA) Procurement Model

Figure 57. Polylactic Acid (PLA) Sales Model

Figure 58. Polylactic Acid (PLA) Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

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