

# Global Composite Modified Polylactic Acid Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/G28AA9A8B650EN.html>

Date: October 2025

Pages: 159

Price: US\$ 3,200.00 (Single User License)

ID: G28AA9A8B650EN

## Abstracts

### Report Overview

Composite modified polylactic acid is a material that uses polylactic acid as a base material to modify polylactic acid by adding other materials or performing blending and copolymerization, thereby improving the performance of polylactic acid and expanding its application field. The purpose of compound modified polylactic acid is to overcome some shortcomings of polylactic acid, such as high crystallinity, low heat resistance, high brittleness, low impact resistance, low gas barrier property, etc., making it more suitable for packaging, textile, medical , agriculture and other fields.

The global Composite Modified Polylactic Acid market size was estimated at USD 325.6 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 8.75% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Composite Modified Polylactic Acid 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

Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid market

### **Global Composite Modified Polylactic Acid 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  
Corbion  
Total Corbion PLA  
Synbra Technology  
Futerra  
Danimer Scientific  
Zhejiang Hisun Biomaterials Co.Ltd.  
Tianjin GreenBio Materials Co.Ltd.  
Shenzhen Esun Industrial Co.Ltd.  
Musashino Chemical Laboratory Ltd.  
Teijin Limited  
Mitsubishi Chemical Corporation

BASF SE  
Sulzer Ltd.

### **Market Segmentation (by Type)**

Composite Modified Polylactic Acid Resin  
Composite Modified Polylactic Acid Fiber  
Composite Modified Polylactic Acid Film

### **Market Segmentation (by Application)**

Packaging Industry  
Medical Industry  
Textile Industry  
Environmental Protection Industry  
Others

### **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 Composite Modified Polylactic Acid Market

Overview of the regional outlook of the Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid, 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 Composite Modified Polylactic Acid

#### 1.2 Key Market Segments

##### 1.2.1 Composite Modified Polylactic Acid Segment by Type

##### 1.2.2 Composite Modified Polylactic Acid 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 COMPOSITE MODIFIED POLYLACTIC ACID MARKET OVERVIEW**

#### 2.1 Global Market Overview

##### 2.1.1 Global Composite Modified Polylactic Acid Market Size (M USD) Estimates and Forecasts (2020-2033)

##### 2.1.2 Global Composite Modified Polylactic Acid Sales Estimates and Forecasts (2020-2033)

#### 2.2 Market Segment Executive Summary

#### 2.3 Global Market Size by Region

### **3 COMPOSITE MODIFIED POLYLACTIC ACID MARKET COMPETITIVE LANDSCAPE**

#### 3.1 Company Assessment Quadrant

#### 3.2 Global Composite Modified Polylactic Acid Product Life Cycle

#### 3.3 Global Composite Modified Polylactic Acid Sales by Manufacturers (2020-2025)

#### 3.4 Global Composite Modified Polylactic Acid Revenue Market Share by Manufacturers (2020-2025)

#### 3.5 Composite Modified Polylactic Acid Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

#### 3.6 Global Composite Modified Polylactic Acid Average Price by Manufacturers (2020-2025)

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

#### 3.8 Composite Modified Polylactic Acid Market Competitive Situation and Trends

- 3.8.1 Composite Modified Polylactic Acid Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest Composite Modified Polylactic Acid Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

## **4 COMPOSITE MODIFIED POLYLACTIC ACID INDUSTRY CHAIN ANALYSIS**

- 4.1 Composite Modified Polylactic Acid 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 COMPOSITE MODIFIED POLYLACTIC ACID 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 Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Market
- 5.7 ESG Ratings of Leading Companies

## **6 COMPOSITE MODIFIED POLYLACTIC ACID MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Composite Modified Polylactic Acid Sales Market Share by Type

(2020-2025)

6.3 Global Composite Modified Polylactic Acid Market Size Market Share by Type  
(2020-2025)

6.4 Global Composite Modified Polylactic Acid Price by Type (2020-2025)

## **7 COMPOSITE MODIFIED POLYLACTIC ACID MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Composite Modified Polylactic Acid Market Sales by Application (2020-2025)

7.3 Global Composite Modified Polylactic Acid Market Size (M USD) by Application  
(2020-2025)

7.4 Global Composite Modified Polylactic Acid Sales Growth Rate by Application  
(2020-2025)

## **8 COMPOSITE MODIFIED POLYLACTIC ACID MARKET SALES BY REGION**

8.1 Global Composite Modified Polylactic Acid Sales by Region

8.1.1 Global Composite Modified Polylactic Acid Sales by Region

8.1.2 Global Composite Modified Polylactic Acid Sales Market Share by Region

8.2 Global Composite Modified Polylactic Acid Market Size by Region

8.2.1 Global Composite Modified Polylactic Acid Market Size by Region

8.2.2 Global Composite Modified Polylactic Acid Market Size Market Share by Region

8.3 North America

8.3.1 North America Composite Modified Polylactic Acid Sales by Country

8.3.2 North America Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Sales by Country

8.4.2 Europe Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Sales by Region

- 8.5.2 Asia Pacific Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Sales by Country
  - 8.6.2 South America Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Sales by Region
  - 8.7.2 Middle East and Africa Composite Modified Polylactic Acid 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 COMPOSITE MODIFIED POLYLACTIC ACID MARKET PRODUCTION BY REGION**

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

- 9.6.1 Japan Composite Modified Polylactic Acid Production Growth Rate (2020-2025)
- 9.6.2 Japan Composite Modified Polylactic Acid Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Composite Modified Polylactic Acid Production (2020-2025)
  - 9.7.1 China Composite Modified Polylactic Acid Production Growth Rate (2020-2025)
  - 9.7.2 China Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Product Overview
- 10.1.3 NatureWorks Composite Modified Polylactic Acid Product Market Performance
- 10.1.4 NatureWorks Business Overview
- 10.1.5 NatureWorks SWOT Analysis
- 10.1.6 NatureWorks Recent Developments

### **10.2 Corbion**

- 10.2.1 Corbion Basic Information
- 10.2.2 Corbion Composite Modified Polylactic Acid Product Overview
- 10.2.3 Corbion Composite Modified Polylactic Acid Product Market Performance
- 10.2.4 Corbion Business Overview
- 10.2.5 Corbion SWOT Analysis
- 10.2.6 Corbion Recent Developments

### **10.3 Total Corbion PLA**

- 10.3.1 Total Corbion PLA Basic Information
- 10.3.2 Total Corbion PLA Composite Modified Polylactic Acid Product Overview
- 10.3.3 Total Corbion PLA Composite Modified Polylactic Acid Product Market Performance
- 10.3.4 Total Corbion PLA Business Overview
- 10.3.5 Total Corbion PLA SWOT Analysis
- 10.3.6 Total Corbion PLA Recent Developments

### **10.4 Synbra Technology**

- 10.4.1 Synbra Technology Basic Information
- 10.4.2 Synbra Technology Composite Modified Polylactic Acid Product Overview
- 10.4.3 Synbra Technology Composite Modified Polylactic Acid Product Market Performance
- 10.4.4 Synbra Technology Business Overview
- 10.4.5 Synbra Technology Recent Developments

## 10.5 Futerro

### 10.5.1 Futerro Basic Information

### 10.5.2 Futerro Composite Modified Polylactic Acid Product Overview

### 10.5.3 Futerro Composite Modified Polylactic Acid Product Market Performance

### 10.5.4 Futerro Business Overview

### 10.5.5 Futerro Recent Developments

## 10.6 Danimer Scientific

### 10.6.1 Danimer Scientific Basic Information

### 10.6.2 Danimer Scientific Composite Modified Polylactic Acid Product Overview

### 10.6.3 Danimer Scientific Composite Modified Polylactic Acid Product Market

### Performance

### 10.6.4 Danimer Scientific Business Overview

### 10.6.5 Danimer Scientific Recent Developments

## 10.7 Zhejiang Hisun Biomaterials Co.Ltd.

### 10.7.1 Zhejiang Hisun Biomaterials Co.Ltd. Basic Information

### 10.7.2 Zhejiang Hisun Biomaterials Co.Ltd. Composite Modified Polylactic Acid Product Overview

### 10.7.3 Zhejiang Hisun Biomaterials Co.Ltd. Composite Modified Polylactic Acid Product Market Performance

### 10.7.4 Zhejiang Hisun Biomaterials Co.Ltd. Business Overview

### 10.7.5 Zhejiang Hisun Biomaterials Co.Ltd. Recent Developments

## 10.8 Tianjin GreenBio Materials Co.Ltd.

### 10.8.1 Tianjin GreenBio Materials Co.Ltd. Basic Information

### 10.8.2 Tianjin GreenBio Materials Co.Ltd. Composite Modified Polylactic Acid Product Overview

### 10.8.3 Tianjin GreenBio Materials Co.Ltd. Composite Modified Polylactic Acid Product Market Performance

### 10.8.4 Tianjin GreenBio Materials Co.Ltd. Business Overview

### 10.8.5 Tianjin GreenBio Materials Co.Ltd. Recent Developments

## 10.9 Shenzhen Esun Industrial Co.Ltd.

### 10.9.1 Shenzhen Esun Industrial Co.Ltd. Basic Information

### 10.9.2 Shenzhen Esun Industrial Co.Ltd. Composite Modified Polylactic Acid Product Overview

### 10.9.3 Shenzhen Esun Industrial Co.Ltd. Composite Modified Polylactic Acid Product Market Performance

### 10.9.4 Shenzhen Esun Industrial Co.Ltd. Business Overview

### 10.9.5 Shenzhen Esun Industrial Co.Ltd. Recent Developments

## 10.10 Musashino Chemical Laboratory Ltd.

### 10.10.1 Musashino Chemical Laboratory Ltd. Basic Information

10.10.2 Musashino Chemical Laboratory Ltd. Composite Modified Polylactic Acid Product Overview

10.10.3 Musashino Chemical Laboratory Ltd. Composite Modified Polylactic Acid Product Market Performance

10.10.4 Musashino Chemical Laboratory Ltd. Business Overview

10.10.5 Musashino Chemical Laboratory Ltd. Recent Developments

10.11 Teijin Limited

10.11.1 Teijin Limited Basic Information

10.11.2 Teijin Limited Composite Modified Polylactic Acid Product Overview

10.11.3 Teijin Limited Composite Modified Polylactic Acid Product Market Performance

10.11.4 Teijin Limited Business Overview

10.11.5 Teijin Limited Recent Developments

10.12 Mitsubishi Chemical Corporation

10.12.1 Mitsubishi Chemical Corporation Basic Information

10.12.2 Mitsubishi Chemical Corporation Composite Modified Polylactic Acid Product Overview

10.12.3 Mitsubishi Chemical Corporation Composite Modified Polylactic Acid Product Market Performance

10.12.4 Mitsubishi Chemical Corporation Business Overview

10.12.5 Mitsubishi Chemical Corporation Recent Developments

10.13 BASF SE

10.13.1 BASF SE Basic Information

10.13.2 BASF SE Composite Modified Polylactic Acid Product Overview

10.13.3 BASF SE Composite Modified Polylactic Acid Product Market Performance

10.13.4 BASF SE Business Overview

10.13.5 BASF SE Recent Developments

10.14 Sulzer Ltd.

10.14.1 Sulzer Ltd. Basic Information

10.14.2 Sulzer Ltd. Composite Modified Polylactic Acid Product Overview

10.14.3 Sulzer Ltd. Composite Modified Polylactic Acid Product Market Performance

10.14.4 Sulzer Ltd. Business Overview

10.14.5 Sulzer Ltd. Recent Developments

## **11 COMPOSITE MODIFIED POLYLACTIC ACID MARKET FORECAST BY REGION**

11.1 Global Composite Modified Polylactic Acid Market Size Forecast

11.2 Global Composite Modified Polylactic Acid Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Composite Modified Polylactic Acid Market Size Forecast by Country

11.2.3 Asia Pacific Composite Modified Polylactic Acid Market Size Forecast by Region

11.2.4 South America Composite Modified Polylactic Acid Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Composite Modified Polylactic Acid by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)**

12.1 Global Composite Modified Polylactic Acid Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Composite Modified Polylactic Acid by Type (2026-2033)

12.1.2 Global Composite Modified Polylactic Acid Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Composite Modified Polylactic Acid by Type (2026-2033)

12.2 Global Composite Modified Polylactic Acid Market Forecast by Application (2026-2033)

12.2.1 Global Composite Modified Polylactic Acid Sales (K MT) Forecast by Application

12.2.2 Global Composite Modified Polylactic Acid Market Size (M USD) Forecast by Application (2026-2033)

## **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. Market Size (M USD) Segment Executive Summary

Table 4. Composite Modified Polylactic Acid Market Size Comparison by Region (M USD)

Table 5. Global Composite Modified Polylactic Acid Sales (K MT) by Manufacturers (2020-2025)

Table 6. Global Composite Modified Polylactic Acid Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Composite Modified Polylactic Acid Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Composite Modified Polylactic Acid Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Composite Modified Polylactic Acid as of 2024)

Table 10. Global Market Composite Modified Polylactic Acid Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Composite Modified Polylactic Acid Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Composite Modified Polylactic Acid Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Composite Modified Polylactic Acid Sales by Type (K MT)

Table 26. Global Composite Modified Polylactic Acid Market Size by Type (M USD)

Table 27. Global Composite Modified Polylactic Acid Sales (K MT) by Type (2020-2025)

Table 28. Global Composite Modified Polylactic Acid Sales Market Share by Type (2020-2025)

Table 29. Global Composite Modified Polylactic Acid Market Size (M USD) by Type (2020-2025)

Table 30. Global Composite Modified Polylactic Acid Market Size Share by Type (2020-2025)

Table 31. Global Composite Modified Polylactic Acid Price (USD/KG) by Type (2020-2025)

Table 32. Global Composite Modified Polylactic Acid Sales (K MT) by Application

Table 33. Global Composite Modified Polylactic Acid Market Size by Application

Table 34. Global Composite Modified Polylactic Acid Sales by Application (2020-2025) & (K MT)

Table 35. Global Composite Modified Polylactic Acid Sales Market Share by Application (2020-2025)

Table 36. Global Composite Modified Polylactic Acid Market Size by Application (2020-2025) & (M USD)

Table 37. Global Composite Modified Polylactic Acid Market Share by Application (2020-2025)

Table 38. Global Composite Modified Polylactic Acid Sales Growth Rate by Application (2020-2025)

Table 39. Global Composite Modified Polylactic Acid Sales by Region (2020-2025) & (K MT)

Table 40. Global Composite Modified Polylactic Acid Sales Market Share by Region (2020-2025)

Table 41. Global Composite Modified Polylactic Acid Market Size by Region (2020-2025) & (M USD)

Table 42. Global Composite Modified Polylactic Acid Market Size Market Share by Region (2020-2025)

Table 43. North America Composite Modified Polylactic Acid Sales by Country (2020-2025) & (K MT)

Table 44. North America Composite Modified Polylactic Acid Market Size by Country (2020-2025) & (M USD)

Table 45. Europe Composite Modified Polylactic Acid Sales by Country (2020-2025) & (K MT)

Table 46. Europe Composite Modified Polylactic Acid Market Size by Country (2020-2025) & (M USD)

Table 47. Asia Pacific Composite Modified Polylactic Acid Sales by Region (2020-2025) & (K MT)

Table 48. Asia Pacific Composite Modified Polylactic Acid Market Size by Region (2020-2025) & (M USD)

Table 49. South America Composite Modified Polylactic Acid Sales by Country (2020-2025) & (K MT)

Table 50. South America Composite Modified Polylactic Acid Market Size by Country (2020-2025) & (M USD)

Table 51. Middle East and Africa Composite Modified Polylactic Acid Sales by Region (2020-2025) & (K MT)

Table 52. Middle East and Africa Composite Modified Polylactic Acid Market Size by Region (2020-2025) & (M USD)

Table 53. Global Composite Modified Polylactic Acid Production (K MT) by Region(2020-2025)

Table 54. Global Composite Modified Polylactic Acid Revenue (US\$ Million) by Region (2020-2025)

Table 55. Global Composite Modified Polylactic Acid Revenue Market Share by Region (2020-2025)

Table 56. Global Composite Modified Polylactic Acid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 57. North America Composite Modified Polylactic Acid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. Europe Composite Modified Polylactic Acid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

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

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

Table 61. NatureWorks Basic Information

Table 62. NatureWorks Composite Modified Polylactic Acid Product Overview

Table 63. NatureWorks Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 64. NatureWorks Business Overview

Table 65. NatureWorks SWOT Analysis

Table 66. NatureWorks Recent Developments

Table 67. Corbion Basic Information

Table 68. Corbion Composite Modified Polylactic Acid Product Overview

Table 69. Corbion Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 70. Corbion Business Overview

Table 71. Corbion SWOT Analysis

|                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Table 72. Corbion Recent Developments                                                                                                                          |
| Table 73. Total Corbion PLA Basic Information                                                                                                                  |
| Table 74. Total Corbion PLA Composite Modified Polylactic Acid Product Overview                                                                                |
| Table 75. Total Corbion PLA Composite Modified Polylactic Acid Sales (K MT),<br>Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)                   |
| Table 76. Total Corbion PLA Business Overview                                                                                                                  |
| Table 77. Total Corbion PLA SWOT Analysis                                                                                                                      |
| Table 78. Total Corbion PLA Recent Developments                                                                                                                |
| Table 79. Synbra Technology Basic Information                                                                                                                  |
| Table 80. Synbra Technology Composite Modified Polylactic Acid Product Overview                                                                                |
| Table 81. Synbra Technology Composite Modified Polylactic Acid Sales (K MT),<br>Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)                   |
| Table 82. Synbra Technology Business Overview                                                                                                                  |
| Table 83. Synbra Technology Recent Developments                                                                                                                |
| Table 84. Futerro Basic Information                                                                                                                            |
| Table 85. Futerro Composite Modified Polylactic Acid Product Overview                                                                                          |
| Table 86. Futerro Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD),<br>Price (USD/KG) and Gross Margin (2020-2025)                             |
| Table 87. Futerro Business Overview                                                                                                                            |
| Table 88. Futerro Recent Developments                                                                                                                          |
| Table 89. Danimer Scientific Basic Information                                                                                                                 |
| Table 90. Danimer Scientific Composite Modified Polylactic Acid Product Overview                                                                               |
| Table 91. Danimer Scientific Composite Modified Polylactic Acid Sales (K MT),<br>Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)                  |
| Table 92. Danimer Scientific Business Overview                                                                                                                 |
| Table 93. Danimer Scientific Recent Developments                                                                                                               |
| Table 94. Zhejiang Hisun Biomaterials Co.Ltd. Basic Information                                                                                                |
| Table 95. Zhejiang Hisun Biomaterials Co.Ltd. Composite Modified Polylactic Acid<br>Product Overview                                                           |
| Table 96. Zhejiang Hisun Biomaterials Co.Ltd. Composite Modified Polylactic Acid<br>Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025) |
| Table 97. Zhejiang Hisun Biomaterials Co.Ltd. Business Overview                                                                                                |
| Table 98. Zhejiang Hisun Biomaterials Co.Ltd. Recent Developments                                                                                              |
| Table 99. Tianjin GreenBio Materials Co.Ltd. Basic Information                                                                                                 |
| Table 100. Tianjin GreenBio Materials Co.Ltd. Composite Modified Polylactic Acid<br>Product Overview                                                           |
| Table 101. Tianjin GreenBio Materials Co.Ltd. Composite Modified Polylactic Acid Sales<br>(K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025) |
| Table 102. Tianjin GreenBio Materials Co.Ltd. Business Overview                                                                                                |

Table 103. Tianjin GreenBio Materials Co.Ltd. Recent Developments

Table 104. Shenzhen Esun Industrial Co.Ltd. Basic Information

Table 105. Shenzhen Esun Industrial Co.Ltd. Composite Modified Polylactic Acid Product Overview

Table 106. Shenzhen Esun Industrial Co.Ltd. Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 107. Shenzhen Esun Industrial Co.Ltd. Business Overview

Table 108. Shenzhen Esun Industrial Co.Ltd. Recent Developments

Table 109. Musashino Chemical Laboratory Ltd. Basic Information

Table 110. Musashino Chemical Laboratory Ltd. Composite Modified Polylactic Acid Product Overview

Table 111. Musashino Chemical Laboratory Ltd. Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 112. Musashino Chemical Laboratory Ltd. Business Overview

Table 113. Musashino Chemical Laboratory Ltd. Recent Developments

Table 114. Teijin Limited Basic Information

Table 115. Teijin Limited Composite Modified Polylactic Acid Product Overview

Table 116. Teijin Limited Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 117. Teijin Limited Business Overview

Table 118. Teijin Limited Recent Developments

Table 119. Mitsubishi Chemical Corporation Basic Information

Table 120. Mitsubishi Chemical Corporation Composite Modified Polylactic Acid Product Overview

Table 121. Mitsubishi Chemical Corporation Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 122. Mitsubishi Chemical Corporation Business Overview

Table 123. Mitsubishi Chemical Corporation Recent Developments

Table 124. BASF SE Basic Information

Table 125. BASF SE Composite Modified Polylactic Acid Product Overview

Table 126. BASF SE Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 127. BASF SE Business Overview

Table 128. BASF SE Recent Developments

Table 129. Sulzer Ltd. Basic Information

Table 130. Sulzer Ltd. Composite Modified Polylactic Acid Product Overview

Table 131. Sulzer Ltd. Composite Modified Polylactic Acid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 132. Sulzer Ltd. Business Overview

Table 133. Sulzer Ltd. Recent Developments

Table 134. Global Composite Modified Polylactic Acid Sales Forecast by Region (2026-2033) & (K MT)

Table 135. Global Composite Modified Polylactic Acid Market Size Forecast by Region (2026-2033) & (M USD)

Table 136. North America Composite Modified Polylactic Acid Sales Forecast by Country (2026-2033) & (K MT)

Table 137. North America Composite Modified Polylactic Acid Market Size Forecast by Country (2026-2033) & (M USD)

Table 138. Europe Composite Modified Polylactic Acid Sales Forecast by Country (2026-2033) & (K MT)

Table 139. Europe Composite Modified Polylactic Acid Market Size Forecast by Country (2026-2033) & (M USD)

Table 140. Asia Pacific Composite Modified Polylactic Acid Sales Forecast by Region (2026-2033) & (K MT)

Table 141. Asia Pacific Composite Modified Polylactic Acid Market Size Forecast by Region (2026-2033) & (M USD)

Table 142. South America Composite Modified Polylactic Acid Sales Forecast by Country (2026-2033) & (K MT)

Table 143. South America Composite Modified Polylactic Acid Market Size Forecast by Country (2026-2033) & (M USD)

Table 144. Middle East and Africa Composite Modified Polylactic Acid Sales Forecast by Country (2026-2033) & (Units)

Table 145. Middle East and Africa Composite Modified Polylactic Acid Market Size Forecast by Country (2026-2033) & (M USD)

Table 146. Global Composite Modified Polylactic Acid Sales Forecast by Type (2026-2033) & (K MT)

Table 147. Global Composite Modified Polylactic Acid Market Size Forecast by Type (2026-2033) & (M USD)

Table 148. Global Composite Modified Polylactic Acid Price Forecast by Type (2026-2033) & (USD/KG)

Table 149. Global Composite Modified Polylactic Acid Sales (K MT) Forecast by Application (2026-2033)

Table 150. Global Composite Modified Polylactic Acid Market Size Forecast by Application (2026-2033) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Composite Modified Polylactic Acid
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Composite Modified Polylactic Acid Market Size (M USD), 2024-2033
- Figure 5. Global Composite Modified Polylactic Acid Market Size (M USD) (2020-2033)
- Figure 6. Global Composite Modified Polylactic Acid Sales (K MT) & (2020-2033)
- 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. Composite Modified Polylactic Acid Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Composite Modified Polylactic Acid Product Life Cycle
- Figure 13. Composite Modified Polylactic Acid Sales Share by Manufacturers in 2024
- Figure 14. Global Composite Modified Polylactic Acid Revenue Share by Manufacturers in 2024
- Figure 15. Composite Modified Polylactic Acid Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Composite Modified Polylactic Acid Average Price (USD/KG) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Composite Modified Polylactic Acid Revenue in 2024
- Figure 18. Industry Chain Map of Composite Modified Polylactic Acid
- Figure 19. Global Composite Modified Polylactic Acid Market PEST Analysis
- Figure 20. Global Composite Modified Polylactic Acid 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 Composite Modified Polylactic Acid Market Share by Type
- Figure 27. Sales Market Share of Composite Modified Polylactic Acid by Type (2020-2025)
- Figure 28. Sales Market Share of Composite Modified Polylactic Acid by Type in 2024
- Figure 29. Market Size Share of Composite Modified Polylactic Acid by Type

(2020-2025)

Figure 30. Market Size Share of Composite Modified Polylactic Acid by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Composite Modified Polylactic Acid Market Share by Application

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

Figure 34. Global Composite Modified Polylactic Acid Sales Market Share by Application in 2024

Figure 35. Global Composite Modified Polylactic Acid Market Share by Application (2020-2025)

Figure 36. Global Composite Modified Polylactic Acid Market Share by Application in 2024

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

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

Figure 39. Global Composite Modified Polylactic Acid Market Size Market Share by Region (2020-2025)

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

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

Figure 42. North America Composite Modified Polylactic Acid Sales Market Share by Country in 2024

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

Figure 44. North America Composite Modified Polylactic Acid Market Size Market Share by Country in 2024

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

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

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

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

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

Figure 50. Mexico Composite Modified Polylactic Acid Market Size (Units) and Growth

Rate (2020-2025)

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

Figure 52. Europe Composite Modified Polylactic Acid Sales Market Share by Country in 2024

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

Figure 54. Europe Composite Modified Polylactic Acid Market Size Market Share by Country in 2024

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

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

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

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

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

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

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

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

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

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

Figure 65. Asia Pacific Composite Modified Polylactic Acid Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Composite Modified Polylactic Acid Sales Market Share by Region in 2024

Figure 67. Asia Pacific Composite Modified Polylactic Acid Market Size Market Share by Region in 2024

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

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

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

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

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

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

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

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

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

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

Figure 78. South America Composite Modified Polylactic Acid Sales and Growth Rate (K MT)

Figure 79. South America Composite Modified Polylactic Acid Sales Market Share by Country in 2024

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

Figure 81. South America Composite Modified Polylactic Acid Market Size Market Share by Country in 2024

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

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

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

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

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

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

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

Figure 89. Middle East and Africa Composite Modified Polylactic Acid Sales Market

Share by Region in 2024

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

Figure 91. Middle East and Africa Composite Modified Polylactic Acid Market Size Market Share by Region in 2024

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

Figure 93. Saudi Arabia Composite Modified Polylactic Acid Market Size and Growth Rate (2020-2025) & (M USD)

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

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

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

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

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

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

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

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

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

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

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

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

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

Figure 107. Global Composite Modified Polylactic Acid Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global Composite Modified Polylactic Acid Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Composite Modified Polylactic Acid Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Composite Modified Polylactic Acid Market Share Forecast by Type (2026-2033)

Figure 111. Global Composite Modified Polylactic Acid Sales Forecast by Application (2026-2033)

Figure 112. Global Composite Modified Polylactic Acid Market Share Forecast by Application (2026-2033)

## I would like to order

Product name: Global Composite Modified Polylactic Acid Market Research Report 2025(Status and Outlook)

Product link: <https://marketpublishers.com/r/G28AA9A8B650EN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G28AA9A8B650EN.html>