

Polylactic Acid (PLA) Market Report by Raw Material (Corn, Sugarcane and Sugar Beet, Cassava, and Others), End Use Industry (Packaging, Agriculture, Automotive and Transport, Electronics, Textiles, and Others), and Region 2023-2028

<https://marketpublishers.com/r/PBC018543FEEEN.html>

Date: November 2023

Pages: 144

Price: US\$ 2,499.00 (Single User License)

ID: PBC018543FEEEN

Abstracts

The global polylactic acid (PLA) market size reached US\$ 850.4 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2,160.3 Million by 2028, exhibiting a growth rate (CAGR) of 16.8% during 2022-2028. The growing demand for sustainable packaging options, raising awareness about single-use plastic alternatives, and increasing production of biodegradable sutures, drug delivery systems, and orthopedic implants are some of the major factors propelling the market.

Polylactic acid (PLA) is a type of bioplastic obtained from natural sources, including corn starch and sugarcane. It is part of the polyester family and is synthesized through the polymerization of lactic acid, which can be obtained by fermenting plant sugars. It is biodegradable, which means it can decompose naturally over time when exposed to the right conditions. It is considered safe for food and medical applications due to its low toxicity and lack of harmful chemicals. It can be molded, extruded, and processed in various methods, making it suitable for a wide range of applications.

At present, the increasing demand for PLA for packaging purposes, including food containers, cups, and film wraps, is impelling the growth of the market. Besides this, the rising employment of PLA in 3D printing due to its effortless usage, low toxicity, and eco-friendliness is contributing to the growth of the market. In addition, the growing production of biodegradable sutures, drug delivery systems, and orthopedic implants made from PLA as they gradually degrade in the body is offering a favorable market outlook. Apart from this, increasing advancements in PLA technology, such as the development of high-performance PLA variants with improved mechanical and thermal properties, are supporting the growth of the market. Additionally, rising investments in

research operations aimed at enhancing the scalability and cost-effectiveness of PLA production are bolstering the growth of the market.

Polylactic Acid (PLA) Market Trends/Drivers:

Growing demand for sustainable packaging

At present, the growing demand for sustainable packaging is exerting a positive influence on the expansion of the PLA market. Besides this, the rising awareness and concern about environmental sustainability among consumers are increasing, and they are actively seeking products that align with their values. PLA, being a biodegradable and renewable polymer derived from plant-based sources, such as corn starch or sugarcane, is perceived as an eco-friendly alternative to conventional plastics. Moreover, stringent regulations and government initiatives aimed at decreasing plastic waste and minimizing the carbon footprint are increasing the adoption of sustainable practices, including the usage of biodegradable materials like PLA in various packaging solutions.

Increasing demand for bio-based plastics

The increasing demand for bio-based plastics is propelling the growth of the polylactic acid (PLA) market. Manufacturers and consumers alike are currently embracing bio-based plastics like PLA due to their renewable and biodegradable nature. PLA, which is extracted from renewable sources, such as corn starch and sugarcane, is actively adopted as a viable substitute for traditional petroleum-based plastics. This ongoing shift in consumer preferences towards eco-conscious products is directly contributing to the rising demand for PLA. Moreover, the emphasis on reducing carbon footprints and the promotion of circular economy principles is resulting in a higher adoption rate of PLA in packaging, textiles, and various other applications. Industries are continually exploring ways to incorporate bio-based plastics like PLA into their production processes, reflecting the current positive impact of this trend on the PLA market.

Rising awareness about single-use plastic alternatives

The rising awareness about single-use plastic alternatives is bolstering the growth of the market. Besides this, individuals and organizations are actively exploring and adopting PLA-based products, such as biodegradable packaging materials, utensils, and disposable containers. In addition, various companies are shifting their production and procurement strategies to incorporate PLA into their product lines to reduce their carbon footprint. Furthermore, ongoing initiatives and campaigns aimed at reducing plastic waste, along with governmental regulations promoting sustainable practices, are driving continuous interest and investment in PLA as a sustainable alternative. As a result, the PLA market is experiencing a steady expansion, with manufacturers and suppliers expanding their capacities and product offerings to cater to the evolving preferences of environmentally conscious consumers and industries.

Polylactic Acid (PLA) Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global polylactic acid (PLA) market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on raw material and end use industry.

Breakup by Raw Material:

Corn

Sugarcane and Sugar Beet

Cassava

Others

Corn dominates the market

The report has provided a detailed breakup and analysis of the market based on the raw material. This includes corn, sugarcane and sugar beet, cassava, and others.

According to the report, corn represented the largest segment.

Corn is rich in starch, which is the primary feedstock for PLA production, and can be easily extracted from corn kernels and converted into glucose through enzymatic processes. The cost-effectiveness of using corn as a feedstock for PLA production makes it an attractive choice. The existing infrastructure for corn farming, harvesting, and processing also contributes to lower production costs. Besides this, corn is a renewable source, using it for PLA aligns with the desire to produce more environmentally friendly plastics. In addition, genetically modified (GMO) corn varieties are manufactured to enhance starch content and suitability for industrial processes like PLA production. These specialized varieties can further improve the efficiency of the PLA manufacturing process.

Breakup by End Use Industry:

Packaging

Agriculture

Automotive and Transport

Electronics

Textiles

Others

Packaging holds the largest share in the market

A detailed breakup and analysis of the market based on the end use industry has also been provided in the report. This includes packaging, agriculture, automotive and transport, electronics, textiles, and others. According to the report, packaging accounted for the largest market share.

PLA is commonly used for food packaging applications, such as cups, lids, containers, and films. Its biodegradability and ability to resist moisture make it suitable for packaging items like fresh produce, bakery products, and takeaway containers. PLA can be used to manufacture disposable cutlery, including forks, knives, and spoons

which can be composted after use, reducing plastic waste. PLA straws are an eco-friendly alternative to traditional plastic straws which are often used in restaurants, cafes, and fast-food establishments. PLA can be used to create blister packaging for consumer goods, electronics, and pharmaceuticals. It provides transparency, which is essential for product visibility, and is compostable, making it more environmentally friendly than traditional plastic blister packaging.

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

North America exhibits a clear dominance, accounting for the largest polylactic acid (PLA) market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America accounted for the largest market share.

North America held the biggest market share due to the rising demand for sustainable packaging solutions to reduce its carbon footprint. Besides this, the increasing implementation of stringent regulations associated with plastic usage is contributing to the growth of the market. Apart from this, the rising awareness about the negative impacts of plastic usage on the environment is supporting the growth of the market. Additionally, the increasing utilization of sustainable packaging in various consumer goods is strengthening the growth of the market.

Asia Pacific is estimated to expand further in this domain due to rising research operations to improve the functionalities of PLA-based products. Moreover, the increasing focus on enhancing the production capacity of PLA to maintain a steady supply is bolstering the growth of the market.

Competitive Landscape:

Key market players are investing in expanding their production capacities to fulfill the rising demand for biodegradable plastics by building new production facilities and upgrading existing ones. They are also focusing on developing innovative PLA formulations with improved properties, such as heat resistance, strength, and flexibility. Leading companies are actively promoting the environmental benefits of PLA, including its biodegradability and reduced carbon footprint compared to traditional plastics. They are also exploring new markets and applications for their products beyond traditional packaging and food service items. Top companies are forming strategic alliances and partnerships with other players in the value chain, including raw material suppliers, converters, and end-users, to create a more integrated and efficient supply chain. The report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

BASF SE

COFCO

Evonik Industries AG

Futero

Jiangsu Supla Bioplastics Co. Ltd.

Jiangxi Keyuan Bio-Material Co. Ltd.

Mitsui Chemicals Inc.

NatureWorks LLC (Cargill Incorporated)

Shanghai Tong-Jie-Liang Biomaterials Co. Ltd.

Total Corbion PLA

Recent Developments:

In September 2023, BASF SE announced the launch of biomass balance plastic additives that support the use of renewable feedstock to replace fossil feedstock and fulfill sustainability targets.

In 2023, Evonik Industries AG and LEHVOSS Group entered into a strategic partnership to open up the path for new applications of industrial 3D printing in the automotive sector.

In 2022, Futerro announced that it aims to set up a new fully integrated polylactic acid (PLA) biorefinery in Normandy, France, which will include a lactic acid unit transforming raw materials of agricultural origin, a PLA conversion unit, and a unit dedicated to molecular recycling of PLA.

Polylactic Acid (PLA) Market Report Scope:

Key Questions Answered in This Report

1. What was the size of the global Polylactic Acid (PLA) market in 2022?
2. What is the expected growth rate of the global Polylactic Acid (PLA) market during 2023-2028?
3. What are the key factors driving the global Polylactic Acid (PLA) market?
4. What has been the impact of COVID-19 on the global Polylactic Acid (PLA) market?
5. What is the breakup of the global Polylactic Acid (PLA) market based on the raw material
6. What is the breakup of the global Polylactic Acid (PLA) market based on the end use industry?
7. What are the key regions in the global Polylactic Acid (PLA) market?
8. Who are the key players/companies in the global Polylactic Acid (PLA) market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL POLYLACTIC ACID (PLA) MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY RAW MATERIAL

- 6.1 Corn
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Sugarcane and Sugar Beet
 - 6.2.1 Market Trends

- 6.2.2 Market Forecast
- 6.3 Cassava
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY END USE INDUSTRY

- 7.1 Packaging
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Agriculture
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Automotive and Transport
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Electronics
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Textiles
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific

- 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends

- 8.3.6.2 Market Forecast
- 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast

9 SWOT ANALYSIS

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

- 11.1 Overview
- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 BASF SE

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.1.3 Financials

13.3.1.4 SWOT Analysis

13.3.2 COFCO

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.2.3 Financials

13.3.3 Evonik Industries AG

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.3.3 Financials

13.3.3.4 SWOT Analysis

13.3.4 Futerro

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.5 Jiangsu Supla Bioplastics Co. Ltd.

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.6 Jiangxi Keyuan Bio-Material Co. Ltd.

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.7 Mitsui Chemicals Inc.

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.7.3 Financials

13.3.7.4 SWOT Analysis

13.3.8 NatureWorks LLC (Cargill Incorporated)

13.3.8.1 Company Overview

13.3.8.2 Product Portfolio

13.3.9 Shanghai Tong-Jie-Liang Biomaterials Co. Ltd.

13.3.9.1 Company Overview

13.3.9.2 Product Portfolio

13.3.10 Total Corbion PLA

13.3.10.1 Company Overview

13.3.10.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Polylactic Acid Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Polylactic Acid Market Forecast: Breakup by Raw Material (in Million US\$), 2023-2028

Table 3: Global: Polylactic Acid Market Forecast: Breakup by End Use Industry (in Million US\$), 2023-2028

Table 4: Global: Polylactic Acid Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Polylactic Acid Market: Competitive Structure

Table 6: Global: Polylactic Acid Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Polylactic Acid Market: Major Drivers and Challenges

Figure 2: Global: Polylactic Acid Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Polylactic Acid Market: Breakup by Raw Material (in %), 2022

Figure 5: Global: Polylactic Acid Market: Breakup by End Use Industry (in %), 2022

Figure 6: Global: Polylactic Acid Market: Breakup by Region (in %), 2022

Figure 7: Global: Polylactic Acid (Corn) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Polylactic Acid (Corn) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Polylactic Acid (Sugarcane and Sugar Beet) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Polylactic Acid (Sugarcane and Sugar Beet) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Polylactic Acid (Cassava) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Polylactic Acid (Cassava) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Polylactic Acid (Other Raw Materials) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Polylactic Acid (Other Raw Materials) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Polylactic Acid (Packaging) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Polylactic Acid (Packaging) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Polylactic Acid (Agriculture) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Polylactic Acid (Agriculture) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Polylactic Acid (Automotive and Transport) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Polylactic Acid (Automotive and Transport) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Polylactic Acid (Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Polylactic Acid (Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Polylactic Acid (Textiles) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Polylactic Acid (Textiles) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Polylactic Acid (Other End Use Industries) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Polylactic Acid (Other End Use Industries) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: North America: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: North America: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: United States: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: United States: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Canada: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Canada: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Asia-Pacific: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Asia-Pacific: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: China: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: China: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Japan: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Japan: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: India: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: India: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: South Korea: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: South Korea: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

2023-2028

Figure 43: Australia: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Australia: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 45: Indonesia: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Indonesia: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 47: Others: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Others: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 49: Europe: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Europe: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 51: Germany: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Germany: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 53: France: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: France: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 55: United Kingdom: Polylactic Acid Market: Sales Value (in Million US\$), 2017 &
2022

Figure 56: United Kingdom: Polylactic Acid Market Forecast: Sales Value (in Million
US\$), 2023-2028

Figure 57: Italy: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Italy: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 59: Spain: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Spain: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 61: Russia: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Russia: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 63: Others: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Others: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 65: Latin America: Polylactic Acid Market: Sales Value (in Million US\$), 2017 &
2022

Figure 66: Latin America: Polylactic Acid Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 67: Brazil: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Brazil: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Mexico: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Mexico: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Others: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Others: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Middle East and Africa: Polylactic Acid Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Middle East and Africa: Polylactic Acid Market: Breakup by Country (in %), 2022

Figure 75: Middle East and Africa: Polylactic Acid Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Global: Polylactic Acid Industry: SWOT Analysis

Figure 77: Global: Polylactic Acid Industry: Value Chain Analysis

Figure 78: Global: Polylactic Acid Industry: Porter's Five Forces Analysis

I would like to order

Product name: Polylactic Acid (PLA) Market Report by Raw Material (Corn, Sugarcane and Sugar Beet, Cassava, and Others), End Use Industry (Packaging, Agriculture, Automotive and Transport, Electronics, Textiles, and Others), and Region 2023-2028

Product link: <https://marketpublishers.com/r/PBC018543FEEEN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/PBC018543FEEEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970