

Middle East and Africa Polylactic Acid (PLA) Market Report and Forecast 2025-2034

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Report description:

The Middle East and Africa polylactic acid (PLA) market is projected to grow at a CAGR of 15.30% between 2025 and 2034.

According to the Middle East and Africa polylactic acid (PLA) market analysis, PLA and its composites are deployed in medical implants, orthopedic devices, drug delivery systems, and tissue engineering. The advancing healthcare sector in the Middle East presents an opportunity for the market. PLA is widely deployed clinically as a biomedical scaffold for implants and in drug delivery systems. When used in biomedical applications, PLA degrades into a non-toxic acid.

As per the Middle East and Africa polylactic acid (PLA) market report, in South Africa, cassava is being transformed into a lucrative industrial crop by processing it into products such as starch, flour, and glucose. Cassava contains 70% starch by dry weight and is rich in carbohydrates, which can be industrially fermented to produce polylactic acid.

According to the UAE's Ministry of Environment and Water, around 11 billion plastic bags are used annually in the country. As the government focuses on reducing environmental pollution in the country, the demand for bioplastics is expected to increase. This is because traditional plastic bags are not degradable and once discarded into the environment cause pollution, threatening aquatic life. The production of PLA is also less carbon-intensive as compared to fossil-based plastics as it is less energy intensive and produces lower greenhouse gas.

Market Segmentation

Middle East and Africa Polylactic Acid (PLA) Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

Market Breakup by Raw Material:

- Sugarcane

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- Corn
- Cassava
- Sugar Beet
- Others

Market Breakup by Grade:

- Thermoforming
- Injection Moulding
- Extrusion
- Blow Moulding
- Others

Market Breakup by Application:

- Rigid Thermoforms
- Films and Sheets
- Bottles
- Others

Market Breakup by End Use:

- Packaging
- Consumer Goods
- Agriculture
- Textile
- Biomedical
- Others

Market Breakup by Country:

- Saudi Arabia
- United Arab Emirates
- Nigeria
- South Africa
- Others

Competitive Landscape

The key players in the polylactic acid (PLA) market in Middle East and Africa are producing high-quality polylactic acid (PLA) products as the demand for bioplastics grows.

- NatureWorks LLC
- TotalEnergies SE
- FUTERRO S.A.

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- BASF SE
- Jiangxi Keyuan Bio-Material Co., Ltd.
- Jilin COFCO Biomaterial Co., Ltd.
- Unitika Ltd
- China BBKA Group
- Others

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Countries
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Polylactic Acid (PLA) Market Overview
 - 5.1 Key Industry Highlights
 - 5.2 Global Polylactic Acid (PLA) Historical Market (2018-2024)

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- 5.3 Global Polylactic Acid (PLA) Market Forecast (2025-2034)
- 5.4 Global Polylactic Acid (PLA) Market Share by Region
 - 5.4.1 North America
 - 5.4.2 Europe
 - 5.4.3 Asia Pacific
 - 5.4.4 Latin America
 - 5.4.5 Middle East and Africa
- 6 Middle East and Africa Polylactic Acid (PLA) Market Overview
 - 6.1 Key Industry Highlights
 - 6.2 Middle East and Africa Polylactic Acid (PLA) Historical Market (2018-2024)
 - 6.3 Middle East and Africa Polylactic Acid (PLA) Market Forecast (2025-2034)
- 7 Middle East and Africa Polylactic Acid (PLA) Market by Raw Material
 - 7.1 Sugarcane
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Corn
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
 - 7.3 Cassava
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
 - 7.4 Sugar Beet
 - 7.4.1 Historical Trend (2018-2024)
 - 7.4.2 Forecast Trend (2025-2034)
 - 7.5 Others
- 8 Middle East and Africa Polylactic Acid (PLA) Market by Grade
 - 8.1 Thermoforming
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Injection Moulding
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
 - 8.3 Extrusion
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
 - 8.4 Blow Moulding
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
 - 8.5 Others
- 9 Middle East and Africa Polylactic Acid (PLA) Market by Application
 - 9.1 Rigid Thermoforms
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Films and Sheets
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Bottles

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- 9.3.1 Historical Trend (2018-2024)
- 9.3.2 Forecast Trend (2025-2034)
- 9.4 Others
- 10 Middle East and Africa Polylactic Acid (PLA) Market by End Use
 - 10.1 Packaging
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 Consumer Goods
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Agriculture
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 Textile
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Biomedical
 - 10.5.1 Historical Trend (2018-2024)
 - 10.5.2 Forecast Trend (2025-2034)
 - 10.6 Others
- 11 Middle East and Africa Polylactic Acid (PLA) Market by Country
 - 11.1 Saudi Arabia
 - 11.1.1 Historical Trend (2018-2024)
 - 11.1.2 Forecast Trend (2025-2034)
 - 11.2 United Arab Emirates
 - 11.2.1 Historical Trend (2018-2024)
 - 11.2.2 Forecast Trend (2025-2034)
 - 11.3 Nigeria
 - 11.3.1 Historical Trend (2018-2024)
 - 11.3.2 Forecast Trend (2025-2034)
 - 11.4 South Africa
 - 11.4.1 Historical Trend (2018-2024)
 - 11.4.2 Forecast Trend (2025-2034)
 - 11.5 Others
- 12 Market Dynamics
 - 12.1 SWOT Analysis
 - 12.1.1 Strengths
 - 12.1.2 Weaknesses
 - 12.1.3 Opportunities
 - 12.1.4 Threats
 - 12.2 Porter's Five Forces Analysis
 - 12.2.1 Supplier's Power
 - 12.2.2 Buyer's Power
 - 12.2.3 Threat of New Entrants
 - 12.2.4 Degree of Rivalry
 - 12.2.5 Threat of Substitutes
 - 12.3 Key Indicators of Demand

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- 12.4 Key Indicators of Price
- 13 Trade Data Analysis (HS Code - 39770)
 - 13.1 Major Importing Countries
 - 13.1.1 By Volume
 - 13.1.2 By Value
 - 13.2 Major Exporting Countries
 - 13.2.1 By Volume
 - 13.2.2 By Value
- 14 Price Analysis
- 15 Competitive Landscape
 - 15.1 Supplier Selection
 - 15.2 Key Global Players
 - 15.3 Key Regional Players
 - 15.4 Key Player Strategies
 - 15.5 Company Profiles
 - 15.5.1 NatureWorks LLC
 - 15.5.1.1 Company Overview
 - 15.5.1.2 Product Portfolio
 - 15.5.1.3 Demographic Reach and Achievements
 - 15.5.1.4 Certifications
 - 15.5.2 TotalEnergies SE
 - 15.5.2.1 Company Overview
 - 15.5.2.2 Product Portfolio
 - 15.5.2.3 Demographic Reach and Achievements
 - 15.5.2.4 Certifications
 - 15.5.3 FUTERRO S.A.
 - 15.5.3.1 Company Overview
 - 15.5.3.2 Product Portfolio
 - 15.5.3.3 Demographic Reach and Achievements
 - 15.5.3.4 Certifications
 - 15.5.4 BASF SE
 - 15.5.4.1 Company Overview
 - 15.5.4.2 Product Portfolio
 - 15.5.4.3 Demographic Reach and Achievements
 - 15.5.4.4 Certifications
 - 15.5.5 Jiangxi Keyuan Bio-Material Co., Ltd.
 - 15.5.5.1 Company Overview
 - 15.5.5.2 Product Portfolio
 - 15.5.5.3 Demographic Reach and Achievements
 - 15.5.5.4 Certifications
 - 15.5.6 Jilin COFCO Biomaterial Co., Ltd
 - 15.5.6.1 Company Overview
 - 15.5.6.2 Product Portfolio
 - 15.5.6.3 Demographic Reach and Achievements
 - 15.5.6.4 Certifications
 - 15.5.7 Unitika Ltd
 - 15.5.7.1 Company Overview

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- 15.5.7.2 Product Portfolio
- 15.5.7.3 Demographic Reach and Achievements
- 15.5.7.4 Certifications
- 15.5.8 China BBKA Group
- 15.5.8.1 Company Overview
- 15.5.8.2 Product Portfolio
- 15.5.8.3 Demographic Reach and Achievements
- 15.5.8.4 Certifications
- 15.5.9 Others

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