

# **Middle East & Africa Bioplastics and Biopolymers Market Forecast to 2030 - Regional Analysis - by Product Type (Polyethylene, Polyethylene Terephthalate, Polylactic Acid, Polytrimethylene Terephthalate, Polybutylene Adipate Terephthalate, Polybutylene Succinate, Cellulose, Blends, and Others) and End-Use Industry (Packaging, Consumer Goods, Automotive, Textile, Building and Construction, Medical, Agriculture, and Others)**

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## **Abstracts**

The Middle East & Africa bioplastics and biopolymers market is expected to grow from US\$ 363.61 million in 2023 to US\$ 630.09 million by 2030. It is estimated to grow at a CAGR of 8.2% from 2023 to 2030.

**Rising Demand for Eco-Friendly Plastics in Packaging Industry Drives Middle East & Africa Bioplastics and Biopolymers Market**

Polylactic acids (PLAs) are the most typically used bioplastic in food packaging, whereas polyhydroxyalkanoates (PHAs) are often used in medical applications, including sutures and cardiovascular patches. PLA has properties similar to polyethylene and polypropylene. Its advantages, such as high rigidity, transparency, stability, and superior performance, make it highly usable in food packaging. Further, producing PLA plastic saves two-thirds of the energy required for fabricating fossil fuel-based plastics. PLAs emit almost 70% fewer greenhouse gases than conventional plastics during the degradation in a landfill.

Bioplastic and biopolymer packaging options include bags for agricultural foils, compost, nursery products, horticultural products, toys, and textiles. They are usually utilized for disposable cups, plates, salad bowls, clingfilm, and food containers. The development

of sophisticated bioplastic and biopolymer packaging for food products has notably enhanced the shelf life of food. Its use helps brands connect with their customers by showing they are conscious of their environmental footprint. Bioplastics and biopolymers offer an alternative approach to packaging and are a real solution to reduce traditional plastic use and waste. Factors such as growing environmental concerns and a global endeavor to lessen pollution are driving the demand for biodegradable plastics in the packaging sector across the region. Thus, the growing demand for eco-friendly plastics in the packaging sector is a major factor boosting the growth of the bioplastics and biopolymers market growth.

#### Middle East & Africa Bioplastics and Biopolymers Market Overview

The Middle East & Africa (MEA) bioplastics and biopolymers market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. There is a growing demand for bioplastics and biopolymers from the packaging industry in the region. PLA is a promising biobased and biodegradable polymer that can be utilized as a food packaging material. PLA is excellent for fresh organic packaging owing to its good breathing properties. Moreover, the growing awareness regarding the environmental hazards of plastic products is driving the bioplastics and biopolymers market in the MEA. Also, the rising consumer demand for eco-friendly packaging materials further increases the need for sustainability and innovation. Also, companies in this market are investing in R&D programs to develop biodegradable materials.

#### Middle East & Africa Bioplastics and Biopolymers Market Revenue and Forecast to 2030 (US\$ Million)

#### Middle East & Africa Bioplastics and Biopolymers Market Segmentation

The Middle East & Africa bioplastics and biopolymers market is segmented into product type, end-use industry, and country.

Based on product type, the Middle East & Africa bioplastics and biopolymers market is segmented into polyethylene, polyethylene terephthalate, polylactic acid, polytrimethylene terephthalate, polybutylene adipate terephthalate, polybutylene succinate, cellulose, blends, and others. The blends segment accounted the largest share of the Middle East & Africa bioplastics and biopolymers market in 2023.

Based on end-use industry, the Middle East & Africa bioplastics and biopolymers market is divided into packaging, consumer goods, automotive, textile, building and construction, medical, agriculture, and others. The packaging segment held the largest share of the Middle East & Africa bioplastics and biopolymers market in 2023.

Based on country, the Middle East & Africa bioplastics and biopolymers market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa bioplastics and biopolymers market in 2023.

Arkema SA, BASF SE, Braskem SA, Corbion NV, Eastman Chemical Co, Mitsubishi

Chemical Holdings Corp, Mitsui Chemicals Inc, Novamont SpA, and Saudi Basic Industries Corp are some of the leading companies operating in the Middle East & Africa bioplastics and biopolymers market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. MIDDLE EAST & AFRICA BIOPLASTICS AND BIOPOLYMERS MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Porter's Five Forces Analysis
  - 4.2.1 Bargaining Power of Suppliers
  - 4.2.2 Bargaining Power of Buyers
  - 4.2.3 Threat of New Entrants
  - 4.2.4 Competitive Rivalry
  - 4.2.5 Threat of Substitutes
- 4.3 Ecosystem Analysis
  - 4.3.1 Raw Material Suppliers:
  - 4.3.2 Manufacturers:
  - 4.3.3 Distributors or Suppliers:
  - 4.3.4 End Users:

### **5. MIDDLE EAST & AFRICA BIOPLASTICS AND BIOPOLYMERS MARKET – KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Increasing Regulations and Policies Against Traditional Plastic

- 5.1.2 Rising Demand for Eco-Friendly Plastics in Packaging Industry
- 5.2 Market Restraints
  - 5.2.1 Lack of Infrastructure and Recycling Facilities for Bioplastics and Biopolymers
- 5.3 Market Opportunities
  - 5.3.1 Growing Incorporation of Biodegradable Plastics in Biomedical Applications
- 5.4 Future Trends
  - 5.4.1 Increasing Focus on Innovations and Technological Advancement
- 5.5 Impact Analysis

## **6. BIOPLASTICS AND BIOPOLYMERS MARKET - MIDDLE EAST & AFRICA MARKET ANALYSIS**

- 6.1 Middle East & Africa Bioplastics and Biopolymers Market Revenue (Kilo Tons)
- 6.2 Middle East & Africa Bioplastics and Biopolymers Market Revenue (US\$ Million)
- 6.3 Middle East & Africa Bioplastics and Biopolymers Market Forecast and Analysis

## **7. MIDDLE EAST & AFRICA BIOPLASTICS AND BIOPOLYMERS MARKET ANALYSIS - PRODUCT TYPE**

- 7.1 Polyethylene
  - 7.1.1 Overview
  - 7.1.2 Polyethylene Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)
- 7.2 Polyethylene Terephthalate
  - 7.2.1 Overview
  - 7.2.2 Polyethylene Terephthalate Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)
- 7.3 Polylactic Acid
  - 7.3.1 Overview
  - 7.3.2 Polylactic Acid Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)
- 7.4 Polytrimethylene Terephthalate
  - 7.4.1 Overview
  - 7.4.2 Polytrimethylene Terephthalate Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)
- 7.5 Polybutylene Adipate Terephthalate
  - 7.5.1 Overview
  - 7.5.2 Polybutylene Adipate Terephthalate Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 7.6 Polybutylene Succinate

### 7.6.1 Overview

### 7.6.2 Polybutylene Succinate Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 7.7 Cellulose

### 7.7.1 Overview

### 7.7.2 Cellulose Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 7.8 Blends

### 7.8.1 Overview

### 7.8.2 Blends Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 7.9 Others

### 7.9.1 Overview

### 7.9.2 Others Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## **8. MIDDLE EAST & AFRICA BIOPLASTICS AND BIOPOLYMERS MARKET ANALYSIS - END-USE INDUSTRY**

## 8.1 Packaging

### 8.1.1 Overview

### 8.1.2 Packaging Market Volume, Revenue, and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 8.2 Consumer Goods

### 8.2.1 Overview

### 8.2.2 Consumer Goods Market Volume, Revenue, and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 8.3 Automotive

### 8.3.1 Overview

### 8.3.2 Automotive Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 8.4 Textile

### 8.4.1 Overview

### 8.4.2 Textile Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 8.5 Building and Construction

### 8.5.1 Overview

### 8.5.2 Building and Construction Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## 8.6 Medical

### 8.6.1 Overview

- 8.6.2 Medical Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)
- 8.7 Agriculture
  - 8.7.1 Overview
  - 8.7.2 Agriculture Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)
- 8.8 Others
  - 8.8.1 Overview
  - 8.8.2 Others Market Volume, Revenue and Forecast to 2030 (Kilo Tons) (US\$ Million)

## **9. MIDDLE EAST & AFRICA BIOPLASTICS AND BIOPOLYMERS MARKET - COUNTRY ANALYSIS**

- 9.1 Overview
  - 9.1.1 Middle East & Africa Bioplastics and Biopolymers Market Revenue and Forecasts and Analysis - By Countries
    - 9.1.1.1 Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Country. Error! Bookmark not defined.
    - 9.1.1.2 South Africa: Middle East & Africa Bioplastics and Biopolymers Market Volume and Forecasts to 2030 (Kilo Tons)
    - 9.1.1.3 South Africa: Middle East & Africa Bioplastics and Biopolymers Market Revenue and Forecasts to 2030 (US\$ Million)
      - 9.1.1.3.1 South Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type
      - 9.1.1.3.2 South Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type
      - 9.1.1.3.3 South Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry
      - 9.1.1.3.4 South Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry
    - 9.1.1.4 Saudi Arabia: Middle East & Africa Bioplastics and Biopolymers Market Volume and Forecasts to 2030 (Kilo Tons)
    - 9.1.1.5 Saudi Arabia: Middle East & Africa Bioplastics and Biopolymers Market Revenue and Forecasts to 2030 (US\$ Million)
      - 9.1.1.5.1 Saudi Arabia: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type
      - 9.1.1.5.2 Saudi Arabia: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type
      - 9.1.1.5.3 Saudi Arabia: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.1.5.4 Saudi Arabia: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.1.6 UAE: Middle East & Africa Bioplastics and Biopolymers Market Volume and Forecasts to 2030 (Kilo Tons)

9.1.1.7 UAE: Middle East & Africa Bioplastics and Biopolymers Market Revenue and Forecasts to 2030 (US\$ Million)

9.1.1.7.1 UAE: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.1.7.2 UAE: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.1.7.3 UAE: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.1.7.4 UAE: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.1.8 Rest of Middle East & Africa: Middle East & Africa Bioplastics and Biopolymers Market Volume and Forecasts to 2030 (Kilo Tons)

9.1.1.9 Rest of Middle East & Africa: Middle East & Africa Bioplastics and Biopolymers Market Revenue and Forecasts to 2030 (US\$ Million)

9.1.1.9.1 Rest of Middle East & Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.1.9.2 Rest of Middle East & Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.1.9.3 Rest of Middle East & Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.1.9.4 Rest of Middle East & Africa: Middle East & Africa Bioplastics and Biopolymers Market Breakdown by End-Use Industry

## **10. COMPETITIVE LANDSCAPE**

10.1 Heat Map Analysis By Key Players

10.2 Company Positioning & Concentration

## **11. INDUSTRY LANDSCAPE**

11.1 Overview

11.2 Market Initiative

11.3 New Product Development

11.4 Merger and Acquisition



## 12. COMPANY PROFILES

### 12.1 Arkema SA

- 12.1.1 Key Facts
- 12.1.2 Business Description
- 12.1.3 Products and Services
- 12.1.4 Financial Overview
- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments

### 12.2 BASF SE

- 12.2.1 Key Facts
- 12.2.2 Business Description
- 12.2.3 Products and Services
- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments

### 12.3 Mitsui Chemicals Inc

- 12.3.1 Key Facts
- 12.3.2 Business Description
- 12.3.3 Products and Services
- 12.3.4 Financial Overview
- 12.3.5 SWOT Analysis
- 12.3.6 Key Developments

### 12.4 Braskem SA

- 12.4.1 Key Facts
- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments

### 12.5 Saudi Basic Industries Corp

- 12.5.1 Key Facts
- 12.5.2 Business Description
- 12.5.3 Products and Services
- 12.5.4 Financial Overview
- 12.5.5 SWOT Analysis
- 12.5.6 Key Developments

### 12.6 Corbion NV

- 12.6.1 Key Facts

- 12.6.2 Business Description
- 12.6.3 Products and Services
- 12.6.4 Financial Overview
- 12.6.5 SWOT Analysis
- 12.6.6 Key Developments
- 12.7 Mitsubishi Chemical Holdings Corp
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments
- 12.8 Novamont SpA
  - 12.8.1 Key Facts
  - 12.8.2 Business Description
  - 12.8.3 Products and Services
  - 12.8.4 Financial Overview
  - 12.8.5 SWOT Analysis
  - 12.8.6 Key Developments
- 12.9 Eastman Chemical Co
  - 12.9.1 Key Facts
  - 12.9.2 Business Description
  - 12.9.3 Products and Services
  - 12.9.4 Financial Overview
  - 12.9.5 SWOT Analysis
  - 12.9.6 Key Developments

## **13. APPENDIX**

## I would like to order

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