

# **Bio-Based Polymer Market by Type (Polyethylene, Polyamide, Polylactic Acid, Polyethylene Terephthalate (PET), and Others) and Application (Textile, Automotive, Industrial, Agriculture, Packaging, and Others): Global Opportunity Analysis and Industry Forecast, 2018 - 2025**

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## **Abstracts**

### **Bio-Based Polymer Market Overview:**

Bio-based polymers are defined as polymers made from biological sources. Some of these polymers are formed directly in the polymeric form in the organisms (e.g., microorganisms, algae, or plants) that produce them, while others are manufactured from bio-based monomers. These polymers are available in many grades with several different properties.

The growth of the bio-based polymer market is driven by factors such as increase in consumer awareness about the environmental impact of petroleum-based polymers and rise in government regulations to reduce greenhouse gas (GNG) emissions. In addition, favorable government regulations and initiatives such as Lead Market Initiative (UK) and BioPreferred (U.S.) boost the use of bio-based products, which correspondingly increases the demand for bio-based polymer products during the projected period. However, high cost to end user and cheaper rates of petroleum feedstocks are expected to hamper the growth of the global market. Furthermore, increasing investment in R&D for product developments in niche applications is expected to offer a key opportunity for market growth.

The global bio-based polymer market is segmented based on type, application, and

region. Based on type, the market is categorized into polyethylene, polyamide, polylactic acid, polyethylene terephthalate and others (starch blends, polyhydroxyalkanoates, poly (butylene adipate-co-terephthalate), polybutylene succinate). Based on application, it is classified into textile, automotive, industrial, agriculture, packaging, and others (paper & paperboard, agriculture, and consumer goods). Based on region, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Some of the major players analyzed in this report are BASF SE, DowDuPont, PTT Global Chemical Public Company Limited, Arkema Group, Corbion, Mitsubishi Chemical Holdings Corporation, Teijin Limited, Kuraray Co., Ltd., Toray Industries, Inc., Bio-On, Novamont SpA, and Finasucre SA.

#### Key Benefits for Bio-Based Polymer Market:

The report provides an extensive qualitative and quantitative analysis of the current trends and future estimations of the global bio-based polymer market from 2018 to 2025 to determine the prevailing opportunities.

A comprehensive analysis of the factors that drive and restrict the growth of the market is provided.

Estimations and forecast are based on factors impacting the market growth, in terms of both value and volume.

Profiles of leading players operating in the market are provided to understand the global competitive scenario.

The report provides extensive qualitative insights on the significant segments and regions exhibiting favorable market growth.

#### Bio-Based Polymer Key Market Segments:

##### By Type

Polyethylene (PE)

Polyamide (PA)

Polylactic Acid (PLA)

Polyethylene Terephthalate (PET)

Others [Starch Blends, Polyhydroxyalkanoates, Poly (Butylene Adipate-co-Terephthalate), and Polybutylene Succinate]

## By Application

Textile

Automotive

Industrial

Agriculture

Packaging

Others (Paper & Paperboard, Agriculture, and Consumer goods)

## By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Secondary research
  - 1.4.2. Primary research
- 1.5. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. Key findings of the study
- 2.2. CXO perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top investment pockets
  - 3.2.2. Top winning strategies
- 3.3. Porters five forces analysis
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Favorable government regulations and initiatives for use of bio based polymers
    - 3.4.1.2. Alternative for Petroleum-based Polymers
  - 3.4.2. Restraint
    - 3.4.2.1. High cost to end-user
  - 3.4.3. Opportunity
    - 3.4.3.1. Decrease in Dependency on Petroleum Resource & Advancement in R&D
- 3.5. Top player positioning, 2017

### CHAPTER 4: GLOBAL BIO BASED POLYMER MARKET, BY TYPE

- 4.1. Overview
  - 4.1.1. Market size and forecast

#### 4.2. Polyethylene (PE)

- 4.2.1. Key market trends, growth factors, and opportunities
- 4.2.2. Market size and forecast, by region
- 4.2.3. Market share analysis, by country

#### 4.3. Polyamide (PA)

- 4.3.1. Key market trends, growth factors, and opportunities
- 4.3.2. Market size and forecast, by region
- 4.3.3. Market share analysis, by country

#### 4.4. Polylactic acid (PLA)

- 4.4.1. Key market trends, growth factors, and opportunities
- 4.4.2. Market size and forecast, by region
- 4.4.3. Market share analysis, by country

#### 4.5. Polyethylene terephthalate (PET)

- 4.5.1. Key market trends, growth factors, and opportunities
- 4.5.2. Market size and forecast, by region
- 4.5.3. Market share analysis, by country

#### 4.6. Others

- 4.6.1. Key market trends, growth factors, and opportunities
- 4.6.2. Market size and forecast, by region
- 4.6.3. Market share analysis, by country

### **CHAPTER 5: GLOBAL BIO BASED POLYMER MARKET, BY APPLICATION**

#### 5.1. Overview

- 5.1.1. Market size and forecast

#### 5.2. Textile

- 5.2.1. Key market trends, growth factors, and opportunities
- 5.2.2. Market size and forecast, by region
- 5.2.3. Market share analysis, by country

#### 5.3. Automotive

- 5.3.1. Key market trends, growth factors, and opportunities
- 5.3.2. Market size and forecast, by region
- 5.3.3. Market share analysis, by country

#### 5.4. Industrial

- 5.4.1. Key market trends, growth factors, and opportunities
- 5.4.2. Market size and forecast, by region
- 5.4.3. Market share analysis, by country

#### 5.5. Agriculture

- 5.5.1. Key market trends, growth factors, and opportunities

- 5.5.2. Market size and forecast, by region
- 5.5.3. Market share analysis, by country
- 5.6. Packaging
  - 5.6.1. Key market trends, growth factors, and opportunities
  - 5.6.2. Market size and forecast, by region
  - 5.6.3. Market share analysis, by country
- 5.7. Others
  - 5.7.1. Key market trends, growth factors, and opportunities
  - 5.7.2. Market size and forecast, by region
  - 5.7.3. Market share analysis, by country

## **CHAPTER 6: BIO BASED POLYMER MARKET, BY REGION**

- 6.1. Overview
  - 6.1.1. Market size and forecast
- 6.2. North America
  - 6.2.1. Key market trends, growth factors, and opportunities
  - 6.2.2. Market size and forecast, by type
  - 6.2.3. Market size and forecast, by application
  - 6.2.4. Market share analysis, by country
  - 6.2.5. U.S.
    - 6.2.5.1. Market size and forecast, by type
    - 6.2.5.2. Market size and forecast, by application
  - 6.2.6. Canada
    - 6.2.6.1. Market size and forecast, by type
    - 6.2.6.2. Market size and forecast, by application
  - 6.2.7. Mexico
    - 6.2.7.1. Market size and forecast, by type
    - 6.2.7.2. Market size and forecast, by application
- 6.3. Europe
  - 6.3.1. Key market trends, growth factors, and opportunities
  - 6.3.2. Market size and forecast, by type
  - 6.3.3. Market size and forecast, by application
  - 6.3.4. Market share analysis, by country
  - 6.3.5. Germany
    - 6.3.5.1. Market size and forecast, by type
    - 6.3.5.2. Market size and forecast, by application
  - 6.3.6. France
    - 6.3.6.1. Market size and forecast, by type

- 6.3.6.2. Market size and forecast, by application
- 6.3.7. UK
  - 6.3.7.1. Market size and forecast, by type
  - 6.3.7.2. Market size and forecast, by application
- 6.3.8. Italy
  - 6.3.8.1. Market size and forecast, by type
  - 6.3.8.2. Market size and forecast, by application
- 6.3.9. Spain
  - 6.3.9.1. Market size and forecast, by type
  - 6.3.9.2. Market size and forecast, by application
- 6.3.10. Rest of Europe
  - 6.3.10.1. Market size and forecast, by type
  - 6.3.10.2. Market size and forecast, by application
- 6.4. Asia-Pacific
  - 6.4.1. Key market trends, growth factors, and opportunities
  - 6.4.2. Market size and forecast, by type
  - 6.4.3. Market size and forecast, by application
  - 6.4.4. Market share analysis, by country
  - 6.4.5. China
    - 6.4.5.1. Market size and forecast, by type
    - 6.4.5.2. Market size and forecast, by application
  - 6.4.6. Japan
    - 6.4.6.1. Market size and forecast, by type
    - 6.4.6.2. Market size and forecast, by application
  - 6.4.7. India
    - 6.4.7.1. Market size and forecast, by type
    - 6.4.7.2. Market size and forecast, by application
  - 6.4.8. Australia
    - 6.4.8.1. Market size and forecast, by type
    - 6.4.8.2. Market size and forecast, by application
  - 6.4.9. South Korea
    - 6.4.9.1. Market size and forecast, by type
    - 6.4.9.2. Market size and forecast, by application
  - 6.4.10. Rest of Asia-Pacific
    - 6.4.10.1. Market size and forecast, by type
    - 6.4.10.2. Market size and forecast, by application
- 6.5. LAMEA
  - 6.5.1. Key market trends, growth factors, and opportunities
  - 6.5.2. Market size and forecast, by type

- 6.5.3. Market size and forecast, by application
- 6.5.4. Market share analysis, by country
- 6.5.5. Brazil
  - 6.5.5.1. Market size and forecast, by type
  - 6.5.5.2. Market size and forecast, by application
- 6.5.6. Saudi Arabia
  - 6.5.6.1. Market size and forecast, by type
  - 6.5.6.2. Market size and forecast, by application
- 6.5.7. South Africa
  - 6.5.7.1. Market size and forecast, by type
  - 6.5.7.2. Market size and forecast, by application
- 6.5.8. Rest of LAMEA
  - 6.5.8.1. Market size and forecast, by type
  - 6.5.8.2. Market size and forecast, by application

## **CHAPTER 7: COMPANY PROFILES**

- 7.1. ARKEMA GROUP
  - 7.1.1. Company overview
  - 7.1.2. Company snapshot
  - 7.1.3. Operating business segments
  - 7.1.4. Product portfolio
  - 7.1.5. Business performance
  - 7.1.6. Key strategic moves and developments
- 7.2. BASF SE
  - 7.2.1. Company overview
  - 7.2.2. Company snapshot
  - 7.2.3. Operating business segments
  - 7.2.4. Product portfolio
  - 7.2.5. Business performance
  - 7.2.6. Key strategic moves and developments
- 7.3. BIO-ON
  - 7.3.1. Company overview
  - 7.3.2. Company snapshot
  - 7.3.3. Product portfolio
  - 7.3.4. Business performance
  - 7.3.5. Key strategic moves and developments
- 7.4. CORBION
  - 7.4.1. Company overview

- 7.4.2. Company snapshot
- 7.4.3. Operating business segments
- 7.4.4. Product portfolio
- 7.4.5. Business performance
- 7.4.6. Key strategic moves and developments
- 7.5. DOWDUPONT
  - 7.5.1. Company overview
  - 7.5.2. Company snapshot
  - 7.5.3. Operating business segments
  - 7.5.4. Product portfolio
  - 7.5.5. Business performance
- 7.6. FINASUCRE SA
  - 7.6.1. Company overview
  - 7.6.2. Company snapshot
  - 7.6.3. Product portfolio
  - 7.6.4. Business performance
- 7.7. KURARAY CO., LTD.
  - 7.7.1. Company overview
  - 7.7.2. Company snapshot
  - 7.7.3. Operating business segments
  - 7.7.4. Product portfolio
  - 7.7.5. Business performance
  - 7.7.6. Key strategic moves and developments
- 7.8. MITSUBISHI CHEMICAL HOLDINGS CORPORATION
  - 7.8.1. Company overview
  - 7.8.2. Company snapshot
  - 7.8.3. Operating business segments
  - 7.8.4. Product portfolio
  - 7.8.5. Business performance
- 7.9. NOVAMONT SpA
  - 7.9.1. Company overview
  - 7.9.2. Company snapshot
  - 7.9.3. Operating business segments
  - 7.9.4. Product portfolio
- 7.10. PTT GLOBAL CHEMICAL PUBLIC COMPANY LIMITED
  - 7.10.1. Company overview
  - 7.10.2. Company snapshot
  - 7.10.3. Operating business segments
  - 7.10.4. Product portfolio

7.10.5. Business performance

7.11. TORAY INDUSTRIES, INC.

7.11.1. Company overview

7.11.2. Company snapshot

7.11.3. Operating business segments

7.11.4. Product portfolio

7.11.5. Business performance

7.12. TEIJIN LIMITED

7.12.1. Company overview

7.12.2. Company snapshot

7.12.3. Operating business segments

7.12.4. Product portfolio

7.12.5. Business performance

## List Of Tables

### LIST OF TABLES

TABLE 01. GLOBAL BIO BASED POLYMER MARKET, BY TYPE, 2017-2025  
(KILOTONS)

TABLE 02. GLOBAL BIO BASED POLYMER MARKET, BY TYPE, 2017-2025  
(\$MILLION)

TABLE 03. GLOBAL BIO BASED POLYETHYLENE MARKET, BY REGION, 2017-2025  
(KILOTONS)

TABLE 04. GLOBAL BIO BASED POLYETHYLENE MARKET, BY REGION, 2017-2025  
(\$MILLION)

TABLE 05. GLOBAL BIO BASED POLYAMIDE MARKET, BY REGION, 2017-2025  
(KILOTONS)

TABLE 06. GLOBAL BIO BASED POLYAMIDE MARKET, BY REGION, 2017-2025  
(\$MILLION)

TABLE 07. GLOBAL BIO BASED POLYLACTIC ACID MARKET, BY REGION,  
2017-2025 (KILOTONS)

TABLE 08. GLOBAL BIO BASED POLYLACTIC ACID MARKET, BY REGION,  
2017-2025 (\$MILLION)

TABLE 09. GLOBAL BIO BASED POLYETHYLENE TEREPHTHALATE MARKET, BY  
REGION, 2017-2025 (KILOTONS)

TABLE 10. GLOBAL BIO BASED POLYETHYLENE TEREPHTHALATE MARKET, BY  
REGION, 2017-2025 (\$MILLION)

TABLE 11. GLOBAL BIO BASED POLYMER MARKET FOR OTHERS, BY REGION,  
2017-2025 (KILOTONS)

TABLE 12. GLOBAL BIO BASED POLYMER MARKET FOR OTHERS, BY REGION,  
2017-2025 (\$MILLION)

TABLE 13. GLOBAL BIO BASED POLYMER MARKET, BY APPLICATION, 2017-2025  
(KILOTONS)

TABLE 14. GLOBAL BIO BASED POLYMER MARKET, BY APPLICATION, 2017-2025  
(\$MILLION)

TABLE 15. GLOBAL BIO BASED POLYMER MARKET FOR TEXTILE, BY REGION,  
2017-2025 (KILOTONS)

TABLE 16. GLOBAL BIO BASED POLYMER MARKET FOR TEXTILE, BY REGION,  
2017-2025 (\$MILLION)

TABLE 17. GLOBAL BIO BASED POLYMER MARKET FOR AUTOMOTIVE, BY  
REGION, 2017-2025 (KILOTONS)

TABLE 18. GLOBAL BIO BASED POLYMER MARKET FOR AUTOMOTIVE, BY

REGION, 2017-2025 (\$MILLION)

TABLE 19. GLOBAL BIO BASED POLYMER MARKET FOR INDUSTRIAL, BY REGION, 2017-2025 (KILOTONS)

TABLE 20. GLOBAL BIO BASED POLYMER MARKET FOR INDUSTRIAL, BY REGION, 2017-2025 (\$MILLION)

TABLE 21. GLOBAL BIO BASED POLYMER MARKET FOR AGRICULTURE, BY REGION, 2017-2025 (KILOTONS)

TABLE 22. GLOBAL BIO BASED POLYMER MARKET FOR AGRICULTURE, BY REGION, 2017-2025 (\$MILLION)

TABLE 23. GLOBAL BIO BASED POLYMER MARKET FOR PACKAGING, BY REGION, 2017-2025 (KILOTONS)

TABLE 24. GLOBAL BIO BASED POLYMER MARKET FOR PACKAGING, BY REGION, 2017-2025 (\$MILLION)

TABLE 25. GLOBAL BIO BASED POLYMER MARKET FOR OTHER APPLICATIONS, BY REGION, 2017-2025 (KILOTONS)

TABLE 26. GLOBAL BIO BASED POLYMER MARKET FOR OTHER APPLICATIONS, BY REGION, 2017-2025 (\$MILLION)

TABLE 27. GLOBAL BIO BASED POLYMER MARKET, BY REGION, 2017-2025 (KILOTONS)

TABLE 28. GLOBAL BIO BASED POLYMER MARKET, BY REGION, 2017-2025 (\$MILLION)

TABLE 29. NORTH AMERICA BIO BASED POLYMER MARKET, BY TYPE, 2017-2025 (KILOTONS)

TABLE 30. NORTH AMERICA BIO BASED POLYMER MARKET, BY TYPE, 2017-2025 (\$MILLION)

TABLE 31. NORTH AMERICA BIO BASED POLYMER MARKET, BY APPLICATION, 2017-2025 (KILOTONS)

TABLE 32. NORTH AMERICA BIO BASED POLYMER MARKET, BY APPLICATION, 2017-2025 (\$MILLION)

TABLE 33. NORTH AMERICA BIO BASED POLYMER MARKET, BY COUNTRY, 2017-2025 (KILOTONS)

TABLE 34. NORTH AMERICA BIO BASED POLYMER MARKET, BY COUNTRY, 2017-2025 (\$MILLION)

TABLE 35. U.S. BIO BASED POLYMER MARKET, BY TYPE, 2017-2025 (KILOTONS)

TABLE 36. U.S. BIO BASED POLYMER MARKET, BY TYPE, 2017-2025 (\$MILLION)

TABLE 37. U.S. BIO BASED POLYMER MARKET, BY APPLICATION, 2017-2025 (KILOTONS)

TABLE 38. U.S. BIO BASED POLYMER MARKET, BY APPLICATION, 2017-2025 (\$MILLION)

TABLE 39. CANADA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 40. CANADA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 41. CANADA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 42. CANADA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 43. MEXICO BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 44. MEXICO BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 45. MEXICO BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 46. MEXICO BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 47. EUROPE BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 48. EUROPE BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 49. EUROPE BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 50. EUROPE BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 51. EUROPE BIO BASED POLYMER MARKET, BY COUNTRY,  
2017-2025(KILOTONS)

TABLE 52. EUROPE BIO BASED POLYMER MARKET, BY COUNTRY,  
2017-2025(\$MILLION)

TABLE 53. GERMANY BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 54. GERMANY BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 55. GERMANY BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 56. GERMANY BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 57. FRANCE BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 58. FRANCE BIO BASED POLYMER MARKET, BY TYPE,

2017-2025(\$MILLION)

TABLE 59. FRANCE BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 60. FRANCE BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 61. UK BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(KILOTONS)

TABLE 62. UK BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(\$MILLION)

TABLE 63. UK BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 64. UK BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 65. ITALY BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 66. ITALY BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(\$MILLION)

TABLE 67. ITALY BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 68. ITALY BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 69. SPAIN BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 70. SPAIN BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(\$MILLION)

TABLE 71. SPAIN BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 72. SPAIN BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 73. REST OF EUROPE BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 74. REST OF EUROPE BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 75. REST OF EUROPE BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 76. REST OF EUROPE BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 77. ASIA-PACIFIC BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 78. ASIA-PACIFIC BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 79. ASIA-PACIFIC BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 80. ASIA-PACIFIC BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 81. ASIA-PACIFIC BIO BASED POLYMER MARKET, BY COUNTRY,  
2017-2025(KILOTONS)

TABLE 82. ASIA-PACIFIC BIO-BASED POLYPROPYLENE MARKET, BY COUNTRY,  
2017-2025(\$MILLION)

TABLE 83. CHINA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 84. CHINA BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(\$MILLION)

TABLE 85. CHINA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 86. CHINA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 87. JAPAN BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 88. JAPAN BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(\$MILLION)

TABLE 89. JAPAN BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 90. JAPAN BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 91. INDIA BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(KILOTONS)

TABLE 92. INDIA BIO BASED POLYMER MARKET, BY TYPE, 2017-2025(\$MILLION)

TABLE 93. INDIA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 94. INDIA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 95. AUSTRALIA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 96. AUSTRALIA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 97. AUSTRALIA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 98. AUSTRALIA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 99. SOUTH KOREA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 100. SOUTH KOREA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 101. SOUTH KOREA BIO BASED POLYMER MARKET, BY APPLICATION,

2017-2025(KILOTONS)

TABLE 102. SOUTH KOREA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 103. REST OF ASIA-PACIFIC BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 104. REST OF ASIA-PACIFIC BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 105. REST OF ASIA-PACIFIC BIO BASED POLYMER MARKET, BY  
APPLICATION, 2017-2025(KILOTONS)

TABLE 106. REST OF ASIA-PACIFIC BIO BASED POLYMER MARKET, BY  
APPLICATION, 2017-2025(\$MILLION)

TABLE 107. LAMEA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 108. LAMEA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 109. LAMEA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 110. LAMEA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 111. LAMEA BIO BASED POLYMER MARKET, BY COUNTRY,  
2017-2025(KILOTONS)

TABLE 112. LAMEA BIO BASED POLYMER MARKET, BY COUNTRY,  
2017-2025(\$MILLION)

TABLE 113. BRAZIL BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 114. BRAZIL BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 115. BRAZIL BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 116. BRAZIL BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 117. SAUDI ARABIA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 118. SAUDI ARABIA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 119. SAUDI ARABIA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 120. SAUDI ARABIA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 121. SOUTH AFRICA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 122. SOUTH AFRICA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 123. SOUTH AFRICA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 124. SOUTH AFRICA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 125. REST OF LAMEA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(KILOTONS)

TABLE 126. REST OF LAMEA BIO BASED POLYMER MARKET, BY TYPE,  
2017-2025(\$MILLION)

TABLE 127. REST OF LAMEA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(KILOTONS)

TABLE 128. REST OF LAMEA BIO BASED POLYMER MARKET, BY APPLICATION,  
2017-2025(\$MILLION)

TABLE 129. ARKEMA: COMPANY SNAPSHOT

TABLE 130. ARKEMA: OPERATING SEGMENTS

TABLE 131. ARKEMA: PRODUCT PORTFOLIO

TABLE 132. ARKEMA: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 133. BASF: COMPANY SNAPSHOT

TABLE 134. BASF: OPERATING SEGMENTS

TABLE 135. BASF: PRODUCT PORTFOLIO

TABLE 136. BASF SE: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 137. BIO-ON: COMPANY SNAPSHOT

TABLE 138. BIO-ON: PRODUCT PORTFOLIO

TABLE 139. BIO-ON: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 140. CORBION: COMPANY SNAPSHOT

TABLE 141. CORBION: OPERATING SEGMENTS

TABLE 142. CORBION: PRODUCT PORTFOLIO

TABLE 143. CORBION: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 144. DOWDUPONT: COMPANY SNAPSHOT

TABLE 145. DOWDUPONT: OPERATING SEGMENTS

TABLE 146. DOWDUPONT: PRODUCT PORTFOLIO

TABLE 147. FINASUCRE: COMPANY SNAPSHOT

TABLE 148. FINASUCRE: PRODUCT PORTFOLIO

TABLE 149. KURARAY: COMPANY SNAPSHOT

TABLE 150. KURARAY: OPERATING SEGMENTS

TABLE 151. KURARAY: PRODUCT PORTFOLIO

TABLE 152. KURARAY: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 153. MITSUBISHI: COMPANY SNAPSHOT

TABLE 154. MITSUBISHI: OPERATING SEGMENTS

TABLE 155. MITSUBISHI: PRODUCT PORTFOLIO

TABLE 156. NOVAMONT: COMPANY SNAPSHOT

TABLE 157. NOVAMONT: OPERATING SEGMENTS

TABLE 158. NOVAMONT: PRODUCT PORTFOLIO

TABLE 159. PTTGC: COMPANY SNAPSHOT

TABLE 160. PTTGC: OPERATING SEGMENTS

TABLE 161. PTTGC: PRODUCT PORTFOLIO

TABLE 162. TORAY: COMPANY SNAPSHOT

TABLE 163. TORAY: OPERATING SEGMENTS

TABLE 164. TORAY: PRODUCT PORTFOLIO

TABLE 165. TEIJIN LIMITED: COMPANY SNAPSHOT

TABLE 166. TEIJIN LIMITED: OPERATING SEGMENTS

TABLE 167. TEIJIN LIMITED: PRODUCT PORTFOLIO

## List Of Figures

### LIST OF FIGURES

- FIGURE 01. GLOBAL BIO BASED POLYMER MARKET SEGMENTATION
- FIGURE 02. TOP INVESTMENT POCKETS, BY COUNTRY
- FIGURE 03. TOP WINNING STRATEGIES, BY YEAR, 2015-2018
- FIGURE 04. TOP WINNING STRATEGIES, BY DEVELOPMENT, 2015-2018 (%)
- FIGURE 05. TOP WINNING STRATEGIES, BY COMPANY, 2015-2018
- FIGURE 06. LOW BARGAINING POWER OF SUPPLIERS
- FIGURE 07. MODERATE BARGAINING POWER OF BUYERS
- FIGURE 08. MODERATE THREAT OF NEW ENTRANTS
- FIGURE 09. HIGH THREAT OF SUBSTITUTES
- FIGURE 10. HIGH INTENSITY OF COMPETITIVE RIVALRY
- FIGURE 11. BIO BASED POLYMER MARKET DYNAMICS
- FIGURE 12. TOP PLAYER POSITIONING, 2017
- FIGURE 13. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYETHYLENE MARKET, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 14. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYAMIDE MARKET, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 15. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYLACTIC ACID MARKET, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 16. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYETHYLENE TEREPHTHALATE MARKET, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 17. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR OTHERS, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 18. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR TEXTILE, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 19. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR AUTOMOTIVE, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 20. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR INDUSTRIAL, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 21. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR AGRICULTURE, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 22. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR PACKAGING, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 23. COMPARATIVE SHARE ANALYSIS OF BIO BASED POLYMER MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2017 & 2025 (%)
- FIGURE 24. ARKEMA: REVENUE, 2015-2017 (\$MILLION)

- FIGURE 25. ARKEMA: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 26. ARKEMA: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 27. BASF: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 28. BASF: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 29. BASF: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 30. BIO-ON: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 31. CORBION: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 32. CORBION: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 33. CORBION: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 34. DOWDUPONT: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 35. DOWDUPONT: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 36. DOWDUPONT: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 37. FINASUCRE: REVENUE, 2015-2017 (\$ MILLION)
- FIGURE 38. FINASUCRE: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 39. KURARAY: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 40. KURARAY: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 41. MITSUBISHI: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 42. MITSUBISHI: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 43. MITSUBISHI: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 44. PTTGC: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 45. PTTGC: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 46. PTTGC: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 47. TORAY: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 48. TORAY: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 49. TORAY: REVENUE SHARE BY REGION, 2017 (%)
- FIGURE 50. TEIJIN LIMITED: REVENUE, 2015-2017 (\$MILLION)
- FIGURE 51. TEIJIN LIMITED: REVENUE SHARE BY SEGMENT, 2017 (%)
- FIGURE 52. TEIJIN LIMITED: REVENUE SHARE BY REGION, 2017 (%)

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