

Asia Pacific 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)

<https://marketpublishers.com/r/A81347692563EN.html>

Date: December 2023

Pages: 137

Price: US\$ 3,550.00 (Single User License)

ID: A81347692563EN

Abstracts

The Asia Pacific bioplastics and biopolymers market is expected to grow from US\$ 2,890.07 million in 2023 to US\$ 6,171.13 million by 2030. It is estimated to grow at a CAGR of 11.4% from 2023 to 2030.

Growing Incorporation of Biodegradable Plastics in Biomedical Applications Drives Asia Pacific Bioplastics and Biopolymers Market

In the biomedical industry, bioplastics are highly applicable in skin replacements for burnings and wounds, scaffolds for tissue engineering, bone reconstruction, nerves and gum reconstruction, drugs releasing system, blood vessel growth and stent covering.

Furthermore, nontoxic biodegradable bioplastics sutures, commonly referred to as stitches, are being used by medical professionals in hospitals and surgeries.

Biodegradable plastics are also used for medical devices. For instance, pins, tacks, and screws, which are used to help bones heal during reconstructive surgery, are made with bioplastics. Containers for tablets and creams can also be produced utilizing bioplastic.

Besides, in the dental industry, bioplastics-based nanocellulose has been used in dental tissue regeneration in humans, produced from microbial cellulose by the

Glucanacetobacter xylinus strain. Biodegradable plastics such as PLA; PCL; poly lactic-

co-glycolic acid (PLGA) and poly-hydroxyalkanoate (PHA), along with their copolymers, are applied in the human centric biomedical applications. For instance, PLA is widely used in medical applications owing to its biocompatibility and bio dissolvability in the human body by the hydrolysis of the ester backbone to produce non-harmful and nontoxic compounds after its degradation. PLA and its copolymers are also used in wound management applications that includes the manufacturing of surgical sutures, prevention of postoperative adhesions, and the healing of dental wounds. PLA is used in drug delivery systems considering its complete biodegradability, better encapsulation, biocompatibility, and low toxicity. Biodegradable plastics are also used in the orthopaedic applications to avoid a second surgical procedure to remove unnecessary hardware.

Conventional plastic is expected to become more expensive in the future with diminishing raw material sources. The PLA and its copolymers are used in various wound management applications, such as healing dental wounds, making surgical sutures, and preventing postoperative adhesions. PLA has also been implemented in the drug delivery system owing to its encapsulation capacity, low toxicity, and biocompatibility. Thus, all the aforementioned factors are estimated to offer lucrative opportunities for the bioplastics and biopolymers market over the coming years.

Asia Pacific Bioplastics and Biopolymers Market Overview

The Asia Pacific bioplastics and biopolymers market is divided into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. Factors such as the growth of the packaging industry, governments' policies encouraging the adoption of environment-friendly products, rising environmental concerns, and growing investments by key market players are driving the bioplastics and biopolymers market growth in the region. Consumers are increasingly shifting toward bio-based plastics due to increasing environment-related regulations and government initiatives to encourage environmental awareness. The rising number of bans on traditional plastics proves to be the primary driver for regional market growth. As countries such as India and China are environmentally concerned, companies are shifting to bioplastics and biopolymers, which is anticipated to help them acquire a higher consumer market share.

Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Bioplastics and Biopolymers Market Segmentation

The Asia Pacific bioplastics and biopolymers market is segmented into product type , end-use industry, and country.

Based on product type, the Asia Pacific 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 Asia Pacific bioplastics and biopolymers market in 2023.

Based on end-use industry, the Asia Pacific 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 Asia Pacific bioplastics and biopolymers market in 2023.

Based on country, the Asia Pacific bioplastics and biopolymers market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific bioplastics and biopolymers market in 2023.

Arkema SA, BASF SE, Braskem SA, Cardia Bioplastics Australia Pty Ltd, 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 Asia Pacific 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. ASIA PACIFIC 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. ASIA PACIFIC 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 - ASIA PACIFIC MARKET ANALYSIS

6.1 Asia Pacific Bioplastics and Biopolymers Market Revenue (Kilo Tons)

6.2 Asia Pacific Bioplastics and Biopolymers Market Revenue (US\$ Million)

6.3 Asia Pacific Bioplastics and Biopolymers Market Forecast and Analysis

7. ASIA PACIFIC 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. ASIA PACIFIC 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. ASIA PACIFIC BIOPLASTICS AND BIOPOLYMERS MARKET - COUNTRY ANALYSIS

9.1 Overview

9.1.1 Asia Pacific Bioplastics and Biopolymers Market, by Key Country- Revenue (2022) (US\$ Million)

9.1.2 Asia Pacific Bioplastics and Biopolymers Market Breakdown by Country

9.1.2.1 Asia Pacific Bioplastics and Biopolymers Market Breakdown by Country

9.1.2.2 Australia: Asia Pacific Bioplastics and Biopolymers Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.3 Australia: Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.3.1 Australia: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.3.2 Australia: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.3.3 Australia: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.3.4 Australia: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.4 China: Asia Pacific Bioplastics and Biopolymers Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.5 China: Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.5.1 China: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.5.2 China: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.5.3 China: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.5.4 China: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-

Use Industry

9.1.2.6 India: Asia Pacific Bioplastics and Biopolymers Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.7 India: Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.7.1 India: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.7.2 India: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.7.3 India: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.7.4 India: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.8 Japan: Asia Pacific Bioplastics and Biopolymers Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.9 Japan: Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.9.1 Japan: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.9.2 Japan: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.9.3 Japan: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.9.4 Japan: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.10 South Korea: Asia Pacific Bioplastics and Biopolymers Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.11 South Korea: Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.11.1 South Korea: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.11.2 South Korea: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.11.3 South Korea: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.11.4 South Korea: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.12 Rest of Asia Pacific: Asia Pacific Bioplastics and Biopolymers Market Volume and Forecasts To 2030 (Kilo Tons)

9.1.2.13 Rest of Asia Pacific: Asia Pacific Bioplastics and Biopolymers Market Revenue and Forecasts To 2030 (US\$ Million)

9.1.2.13.1 Rest of Asia Pacific: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.13.2 Rest of Asia Pacific: Asia Pacific Bioplastics and Biopolymers Market Breakdown by Product Type

9.1.2.13.3 Rest of Asia Pacific: Asia Pacific Bioplastics and Biopolymers Market Breakdown by End-Use Industry

9.1.2.13.4 Rest of Asia Pacific: Asia Pacific 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 Cardia Bioplastics Australia Pty Ltd
 - 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 Braskem SA
 - 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 Saudi Basic Industries Corp
 - 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 Corbion NV
 - 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 Mitsubishi Chemical Holdings Corp
 - 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 Novamont SpA
 - 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
- 12.10 Eastman Chemical Co
 - 12.10.1 Key Facts
 - 12.10.2 Business Description
 - 12.10.3 Products and Services
 - 12.10.4 Financial Overview
 - 12.10.5 SWOT Analysis
 - 12.10.6 Key Developments

13. APPENDIX

I would like to order

Product name: Asia Pacific 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)

Product link: <https://marketpublishers.com/r/A81347692563EN.html>

Price: US\$ 3,550.00 (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/A81347692563EN.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