

Global Bio-based Polyethylene (PE) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Bio-based Polyethylene (PE) market size was valued at USD 1060.8 million in 2023 and is forecast to a readjusted size of USD 1327.4 million by 2030 with a CAGR of 3.3% during review period.

Bio-based Polyethylene is (also known as renewable polyethylene) is polyethylene made out of ethanol, a renewable raw material, which becomes ethylene after a dehydration process. Bio-based Polyethylene is produced from ethanol sugarcane, while the traditional polyethylene uses fossil sourced raw materials such as oil or natural gas. Bio-based Polyethylene captures and fixes CO₂ from the atmosphere during its production, helping to reduce greenhouse gases emission.

Bio-based Polyethylene can be made from various feedstock including sugar cane, sugar beet, and wheat grain. It is first made using sugar cane from Brazil.

The major players in global Bio-based Polyethylene market include Braskem, DowDuPont, etc. The top 2 players occupy about 80% shares of the global market. Latin America is the main market, and occupies about 90% of the global market. HDPE is the main type, with a share about 50%. Food & Beverages is the main application, which holds a share about 45%.

The Global Info Research report includes an overview of the development of the Bio-based Polyethylene (PE) industry chain, the market status of Agriculture & Industry (HDPE, LLDPE), Food & Beverages (HDPE, LLDPE), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot

applications and market trends of Bio-based Polyethylene (PE).

Regionally, the report analyzes the Bio-based Polyethylene (PE) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Bio-based Polyethylene (PE) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Bio-based Polyethylene (PE) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Bio-based Polyethylene (PE) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., HDPE, LLDPE).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Bio-based Polyethylene (PE) market.

Regional Analysis: The report involves examining the Bio-based Polyethylene (PE) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Bio-based Polyethylene (PE) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bio-based Polyethylene (PE):

Company Analysis: Report covers individual Bio-based Polyethylene (PE)

manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Bio-based Polyethylene (PE). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Agriculture & Industry, Food & Beverages).

Technology Analysis: Report covers specific technologies relevant to Bio-based Polyethylene (PE). It assesses the current state, advancements, and potential future developments in Bio-based Polyethylene (PE) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Bio-based Polyethylene (PE) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Bio-based Polyethylene (PE) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

HDPE

LLDPE

LDPE

Market segment by Application

Agriculture & Industry

Food & Beverages

Cosmetics & Household Care

Others

Major players covered

Mitsui

DowDuPont

Toyota Tsusho

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-based Polyethylene (PE) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-based Polyethylene (PE), with price, sales, revenue and global market share of Bio-based Polyethylene (PE) from 2019 to 2024.

Chapter 3, the Bio-based Polyethylene (PE) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-based Polyethylene (PE) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Bio-based Polyethylene (PE) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-based Polyethylene (PE).

Chapter 14 and 15, to describe Bio-based Polyethylene (PE) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Bio-based Polyethylene (PE)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Bio-based Polyethylene (PE) Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 HDPE
 - 1.3.3 LLDPE
 - 1.3.4 LDPE
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Bio-based Polyethylene (PE) Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Agriculture & Industry
 - 1.4.3 Food & Beverages
 - 1.4.4 Cosmetics & Household Care
 - 1.4.5 Others
- 1.5 Global Bio-based Polyethylene (PE) Market Size & Forecast
 - 1.5.1 Global Bio-based Polyethylene (PE) Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Bio-based Polyethylene (PE) Sales Quantity (2019-2030)
 - 1.5.3 Global Bio-based Polyethylene (PE) Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Mitsui
 - 2.1.1 Mitsui Details
 - 2.1.2 Mitsui Major Business
 - 2.1.3 Mitsui Bio-based Polyethylene (PE) Product and Services
 - 2.1.4 Mitsui Bio-based Polyethylene (PE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Mitsui Recent Developments/Updates
- 2.2 DowDuPont
 - 2.2.1 DowDuPont Details
 - 2.2.2 DowDuPont Major Business
 - 2.2.3 DowDuPont Bio-based Polyethylene (PE) Product and Services
 - 2.2.4 DowDuPont Bio-based Polyethylene (PE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 DowDuPont Recent Developments/Updates
- 2.3 Toyota Tsusho
 - 2.3.1 Toyota Tsusho Details
 - 2.3.2 Toyota Tsusho Major Business
 - 2.3.3 Toyota Tsusho Bio-based Polyethylene (PE) Product and Services
 - 2.3.4 Toyota Tsusho Bio-based Polyethylene (PE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.3.5 Toyota Tsusho Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: BIO-BASED POLYETHYLENE (PE) BY MANUFACTURER

- 3.1 Global Bio-based Polyethylene (PE) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Bio-based Polyethylene (PE) Revenue by Manufacturer (2019-2024)
- 3.3 Global Bio-based Polyethylene (PE) Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Bio-based Polyethylene (PE) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Bio-based Polyethylene (PE) Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Bio-based Polyethylene (PE) Manufacturer Market Share in 2023
- 3.5 Bio-based Polyethylene (PE) Market: Overall Company Footprint Analysis
 - 3.5.1 Bio-based Polyethylene (PE) Market: Region Footprint
 - 3.5.2 Bio-based Polyethylene (PE) Market: Company Product Type Footprint
 - 3.5.3 Bio-based Polyethylene (PE) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Bio-based Polyethylene (PE) Market Size by Region
 - 4.1.1 Global Bio-based Polyethylene (PE) Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Bio-based Polyethylene (PE) Consumption Value by Region (2019-2030)
 - 4.1.3 Global Bio-based Polyethylene (PE) Average Price by Region (2019-2030)
- 4.2 North America Bio-based Polyethylene (PE) Consumption Value (2019-2030)
- 4.3 Europe Bio-based Polyethylene (PE) Consumption Value (2019-2030)
- 4.4 Asia-Pacific Bio-based Polyethylene (PE) Consumption Value (2019-2030)
- 4.5 South America Bio-based Polyethylene (PE) Consumption Value (2019-2030)
- 4.6 Middle East and Africa Bio-based Polyethylene (PE) Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Bio-based Polyethylene (PE) Sales Quantity by Type (2019-2030)
- 5.2 Global Bio-based Polyethylene (PE) Consumption Value by Type (2019-2030)
- 5.3 Global Bio-based Polyethylene (PE) Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Bio-based Polyethylene (PE) Sales Quantity by Application (2019-2030)
- 6.2 Global Bio-based Polyethylene (PE) Consumption Value by Application (2019-2030)
- 6.3 Global Bio-based Polyethylene (PE) Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Bio-based Polyethylene (PE) Sales Quantity by Type (2019-2030)
- 7.2 North America Bio-based Polyethylene (PE) Sales Quantity by Application (2019-2030)
- 7.3 North America Bio-based Polyethylene (PE) Market Size by Country
 - 7.3.1 North America Bio-based Polyethylene (PE) Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Bio-based Polyethylene (PE) Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Bio-based Polyethylene (PE) Sales Quantity by Type (2019-2030)
- 8.2 Europe Bio-based Polyethylene (PE) Sales Quantity by Application (2019-2030)
- 8.3 Europe Bio-based Polyethylene (PE) Market Size by Country
 - 8.3.1 Europe Bio-based Polyethylene (PE) Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Bio-based Polyethylene (PE) Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Bio-based Polyethylene (PE) Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Bio-based Polyethylene (PE) Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Bio-based Polyethylene (PE) Market Size by Region

9.3.1 Asia-Pacific Bio-based Polyethylene (PE) Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Bio-based Polyethylene (PE) Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Bio-based Polyethylene (PE) Sales Quantity by Type (2019-2030)

10.2 South America Bio-based Polyethylene (PE) Sales Quantity by Application (2019-2030)

10.3 South America Bio-based Polyethylene (PE) Market Size by Country

10.3.1 South America Bio-based Polyethylene (PE) Sales Quantity by Country (2019-2030)

10.3.2 South America Bio-based Polyethylene (PE) Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Bio-based Polyethylene (PE) Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Bio-based Polyethylene (PE) Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Bio-based Polyethylene (PE) Market Size by Country

11.3.1 Middle East & Africa Bio-based Polyethylene (PE) Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Bio-based Polyethylene (PE) Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Bio-based Polyethylene (PE) Market Drivers

12.2 Bio-based Polyethylene (PE) Market Restraints

12.3 Bio-based Polyethylene (PE) Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Bio-based Polyethylene (PE) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Bio-based Polyethylene (PE)

13.3 Bio-based Polyethylene (PE) Production Process

13.4 Bio-based Polyethylene (PE) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Bio-based Polyethylene (PE) Typical Distributors

14.3 Bio-based Polyethylene (PE) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

List Of Figures

LIST OF FIGURES

I would like to order

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