

Global Fossil-based Biodegradable Plastic Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5295B36509CEN.html>

Date: June 2026

Pages: 118

Price: US\$ 4,480.00 (Single User License)

ID: G5295B36509CEN

Abstracts

The global Fossil-based Biodegradable Plastic market size is expected to reach \$ 3554 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

Fossil-based Biodegradable Plastic refers to biodegradable polymer materials produced from petrochemical or coal chemical monomers such as dicarboxylic acids, diols, lactones and glycolate esters, and further processed through polymerization, copolymerization or compounding. The main product scope includes PBAT, PBS/PBSA, PCL, PGA and related biodegradable compound materials. Although these materials are not primarily bio-based in feedstock origin, they can degrade under industrial composting, soil, hydrolysis or specific environmental conditions, and are mainly used in packaging films and bags, disposable foodservice packaging, agricultural mulch films, injection-molded products, daily-use products, oilfield temporary plugging materials and other industrial or specialty applications. Upstream raw materials mainly include adipic acid, terephthalic acid, succinic acid, 1,4-butanediol, caprolactone, glycolate esters, ethylene glycol, catalysts, chain extenders, fillers and functional additives. Major downstream customers include biodegradable material compounders, packaging product manufacturers, agricultural film producers, foodservice packaging companies, injection molding companies, oilfield chemical companies and end-brand customers. On an ex-factory price basis, global Fossil-based Biodegradable Plastic effective capacity in 2025 is estimated at about 2,250,000 tons, while global sales volume is estimated at about 824,600 tons, with an average ex-factory price of about USD 2,520 per ton. PBAT and its compound materials account for the majority of shipment volume, while PBS/PBSA, PCL and PGA are more focused on specific performance requirements or higher-value applications. The average industry gross margin is estimated at about 10%–24% in 2025, with relatively lower margins in general packaging and film-grade

materials due to competition, low operating rates and raw material price fluctuations, and relatively higher margins in PCL, PGA, high-performance PBS and specialty industrial applications.

The global Fossil-based Biodegradable Plastic market has developed a product structure led by PBAT, with PBS/PBSA, PCL, PGA and related compound materials serving as complementary segments. Applications are mainly concentrated in packaging films, shopping bags, garbage bags, disposable foodservice packaging, agricultural mulch films, injection-molded products and selected industrial specialty materials. Compared with bio-based biodegradable materials such as PLA and PHA, fossil-based biodegradable plastics generally offer better processing compatibility, stronger flexibility and impact resistance, and more mature industrialization experience. PBAT, in particular, is highly suitable for flexible films and bag applications. However, due to rapid capacity expansion in some regions, the industry still faces low operating rates, price competition and product homogenization, putting pressure on profitability in general packaging-grade materials. Future market growth will mainly benefit from the continued implementation of biodegradable material policies, plastic substitution demand in packaging and agriculture, and end customers' emphasis on stable material performance and processing convenience. PBAT and its compounds will remain the main volume contributor, mainly used in films, bags, disposable packaging and agricultural films. PBS/PBSA, supported by good heat resistance and processing performance, is expected to expand in foodservice packaging, injection-molded products and composite materials. PCL and PGA have smaller shipment volumes, but they offer higher added value in medical materials, specialty industrial applications, high-barrier packaging, oilfield temporary plugging and high-performance compound systems. As blending, filling modification, degradation control and downstream processing technologies continue to mature, the application scope of fossil-based biodegradable plastics will further expand. Key market drivers include environmental regulations, plastic restriction policies, sustainable packaging demand from brand owners, pressure to address agricultural film waste, and the need to replace conventional plastics in selected applications. For downstream customers, fossil-based biodegradable plastics have relatively good compatibility with existing extrusion, blown film, cast film, injection molding and thermoforming equipment, which helps reduce process adjustment costs during material substitution. For producers, PBAT, PBS, PGA and related products can extend the petrochemical and coal chemical value chains and increase the added value of upstream monomers such as BDO, adipic acid, succinic acid, terephthalic acid, caprolactone and glycolate esters. Companies with stable raw material supply, large-scale polymerization capability, formulation development capability and end-customer qualification will be better positioned in future competition.

The main market barriers include uneven downstream demand, excess capacity in general-purpose products, costs that remain higher than conventional plastics, and competition from PLA, PHA, paper-based materials, recycled plastics and plastic reduction solutions. Although some fossil-based biodegradable plastics have biodegradable or compostable properties, their feedstocks are not bio-based, which may create challenges in carbon footprint positioning, brand communication and acceptance in overseas markets. At the same time, certification requirements for biodegradability, compostability and soil degradation vary across countries and regions, requiring continuous investment in testing, certification and application validation. Overall, the Fossil-based Biodegradable Plastic market is expected to maintain steady growth, while competition will shift from capacity expansion alone toward cost control, material modification, certification compliance, application development and customer service capability.

This report studies the global Fossil-based Biodegradable Plastic production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fossil-based Biodegradable Plastic and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Fossil-based Biodegradable Plastic that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fossil-based Biodegradable Plastic total production and demand, 2021-2032, (Kilotons)

Global Fossil-based Biodegradable Plastic total production value, 2021-2032, (USD Million)

Global Fossil-based Biodegradable Plastic production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Fossil-based Biodegradable Plastic consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Fossil-based Biodegradable Plastic domestic production, consumption, key domestic manufacturers and share

Global Fossil-based Biodegradable Plastic production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Fossil-based Biodegradable Plastic production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Fossil-based Biodegradable Plastic production by Application, production, value,

CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Fossil-based Biodegradable Plastic market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF, Versalis, Kureha Corporation, Daicel Corporation, Wanhua Chemical Group, Kingfa Sci. & Tech., Xinjiang Lanshan Tunhe Technology, China Energy Investment Corporation, Anhui Haoyuan Chemical Group, Shandong Dawn Polymer, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Fossil-based Biodegradable Plastic market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Fossil-based Biodegradable Plastic Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fossil-based Biodegradable Plastic Market, Segmentation by Type:

PBAT

PBS and PBSA

PCL

PGA

Others

Global Fossil-based Biodegradable Plastic Market, Segmentation by Feedstock Route:

Petrochemical-based Route

Coal Chemical-based Route

Others

Global Fossil-based Biodegradable Plastic Market, Segmentation by Product Form:

Resin Pellets

Modified Granules

Others

Global Fossil-based Biodegradable Plastic Market, Segmentation by Application:

Packaging Films and Bags

Disposable Tableware and Food Packaging

Agricultural Mulch Films

Injection Molding and Daily-Use Products

Other

Companies Profiled:

BASF

Versalis

Kureha Corporation

Daicel Corporation

Wanhua Chemical Group

Kingfa Sci. & Tech.

Xinjiang Lanshan Tunhe Technology

China Energy Investment Corporation

Anhui Haoyuan Chemical Group

Shandong Dawn Polymer

Zhejiang Hisun Biomaterials

SK Chemicals

Key Questions Answered:

1. How big is the global Fossil-based Biodegradable Plastic market?
2. What is the demand of the global Fossil-based Biodegradable Plastic market?

3. What is the year over year growth of the global Fossil-based Biodegradable Plastic market?
4. What is the production and production value of the global Fossil-based Biodegradable Plastic market?
5. Who are the key producers in the global Fossil-based Biodegradable Plastic market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Fossil-based Biodegradable Plastic Introduction
- 1.2 World Fossil-based Biodegradable Plastic Supply & Forecast
 - 1.2.1 World Fossil-based Biodegradable Plastic Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Fossil-based Biodegradable Plastic Production (2021-2032)
 - 1.2.3 World Fossil-based Biodegradable Plastic Pricing Trends (2021-2032)
- 1.3 World Fossil-based Biodegradable Plastic Production by Region (Based on Production Site)
 - 1.3.1 World Fossil-based Biodegradable Plastic Production Value by Region (2021-2032)
 - 1.3.2 World Fossil-based Biodegradable Plastic Production by Region (2021-2032)
 - 1.3.3 World Fossil-based Biodegradable Plastic Average Price by Region (2021-2032)
 - 1.3.4 North America Fossil-based Biodegradable Plastic Production (2021-2032)
 - 1.3.5 Europe Fossil-based Biodegradable Plastic Production (2021-2032)
 - 1.3.6 China Fossil-based Biodegradable Plastic Production (2021-2032)
 - 1.3.7 Japan Fossil-based Biodegradable Plastic Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Fossil-based Biodegradable Plastic Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Fossil-based Biodegradable Plastic Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Fossil-based Biodegradable Plastic Demand (2021-2032)
- 2.2 World Fossil-based Biodegradable Plastic Consumption by Region
 - 2.2.1 World Fossil-based Biodegradable Plastic Consumption by Region (2021-2026)
 - 2.2.2 World Fossil-based Biodegradable Plastic Consumption Forecast by Region (2027-2032)
- 2.3 United States Fossil-based Biodegradable Plastic Consumption (2021-2032)
- 2.4 China Fossil-based Biodegradable Plastic Consumption (2021-2032)
- 2.5 Europe Fossil-based Biodegradable Plastic Consumption (2021-2032)
- 2.6 Japan Fossil-based Biodegradable Plastic Consumption (2021-2032)
- 2.7 South Korea Fossil-based Biodegradable Plastic Consumption (2021-2032)
- 2.8 ASEAN Fossil-based Biodegradable Plastic Consumption (2021-2032)
- 2.9 India Fossil-based Biodegradable Plastic Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Fossil-based Biodegradable Plastic Production Value by Manufacturer (2021-2026)

3.2 World Fossil-based Biodegradable Plastic Production by Manufacturer (2021-2026)

3.3 World Fossil-based Biodegradable Plastic Average Price by Manufacturer (2021-2026)

3.4 Fossil-based Biodegradable Plastic Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Fossil-based Biodegradable Plastic Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Fossil-based Biodegradable Plastic in 2025

3.5.3 Global Concentration Ratios (CR8) for Fossil-based Biodegradable Plastic in 2025

3.6 Fossil-based Biodegradable Plastic Market: Overall Company Footprint Analysis

3.6.1 Fossil-based Biodegradable Plastic Market: Region Footprint

3.6.2 Fossil-based Biodegradable Plastic Market: Company Product Type Footprint

3.6.3 Fossil-based Biodegradable Plastic Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Fossil-based Biodegradable Plastic Production Value Comparison

4.1.1 United States VS China: Fossil-based Biodegradable Plastic Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Fossil-based Biodegradable Plastic Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Fossil-based Biodegradable Plastic Production Comparison

4.2.1 United States VS China: Fossil-based Biodegradable Plastic Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Fossil-based Biodegradable Plastic Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Fossil-based Biodegradable Plastic Consumption Comparison

4.3.1 United States VS China: Fossil-based Biodegradable Plastic Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Fossil-based Biodegradable Plastic Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Fossil-based Biodegradable Plastic Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Fossil-based Biodegradable Plastic Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Fossil-based Biodegradable Plastic Production Value (2021-2026)

4.4.3 United States Based Manufacturers Fossil-based Biodegradable Plastic Production (2021-2026)

4.5 China Based Fossil-based Biodegradable Plastic Manufacturers and Market Share

4.5.1 China Based Fossil-based Biodegradable Plastic Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Fossil-based Biodegradable Plastic Production Value (2021-2026)

4.5.3 China Based Manufacturers Fossil-based Biodegradable Plastic Production (2021-2026)

4.6 Rest of World Based Fossil-based Biodegradable Plastic Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Fossil-based Biodegradable Plastic Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Fossil-based Biodegradable Plastic Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 PBAT

5.2.2 PBS and PBSA

5.2.3 PCL

5.2.4 PGA

5.2.5 Others

5.3 Market Segment by Type

5.3.1 World Fossil-based Biodegradable Plastic Production by Type (2021-2032)

5.3.2 World Fossil-based Biodegradable Plastic Production Value by Type (2021-2032)

5.3.3 World Fossil-based Biodegradable Plastic Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY FEEDSTOCK ROUTE

6.1 World Fossil-based Biodegradable Plastic Market Size Overview by Feedstock Route: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Feedstock Route

6.2.1 Petrochemical-based Route

6.2.2 Coal Chemical-based Route

6.2.3 Others

6.3 Market Segment by Feedstock Route

6.3.1 World Fossil-based Biodegradable Plastic Production by Feedstock Route (2021-2032)

6.3.2 World Fossil-based Biodegradable Plastic Production Value by Feedstock Route (2021-2032)

6.3.3 World Fossil-based Biodegradable Plastic Average Price by Feedstock Route (2021-2032)

7 MARKET ANALYSIS BY PRODUCT FORM

7.1 World Fossil-based Biodegradable Plastic Market Size Overview by Product Form: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Product Form

7.2.1 Resin Pellets

7.2.2 Modified Granules

7.2.3 Others

7.3 Market Segment by Product Form

7.3.1 World Fossil-based Biodegradable Plastic Production by Product Form (2021-2032)

7.3.2 World Fossil-based Biodegradable Plastic Production Value by Product Form (2021-2032)

7.3.3 World Fossil-based Biodegradable Plastic Average Price by Product Form

(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Fossil-based Biodegradable Plastic Market Size Overview by Application:
2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Packaging Films and Bags

8.2.2 Disposable Tableware and Food Packaging

8.2.3 Agricultural Mulch Films

8.2.4 Injection Molding and Daily-Use Products

8.2.5 Other

8.3 Market Segment by Application

8.3.1 World Fossil-based Biodegradable Plastic Production by Application (2021-2032)

8.3.2 World Fossil-based Biodegradable Plastic Production Value by Application
(2021-2032)

8.3.3 World Fossil-based Biodegradable Plastic Average Price by Application
(2021-2032)

9 COMPANY PROFILES

9.1 BASF

9.1.1 BASF Details

9.1.2 BASF Major Business

9.1.3 BASF Fossil-based Biodegradable Plastic Product and Services

9.1.4 BASF Fossil-based Biodegradable Plastic Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.1.5 BASF Recent Developments/Updates

9.1.6 BASF Competitive Strengths & Weaknesses

9.2 Versalis

9.2.1 Versalis Details

9.2.2 Versalis Major Business

9.2.3 Versalis Fossil-based Biodegradable Plastic Product and Services

9.2.4 Versalis Fossil-based Biodegradable Plastic Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.2.5 Versalis Recent Developments/Updates

9.2.6 Versalis Competitive Strengths & Weaknesses

9.3 Kureha Corporation

9.3.1 Kureha Corporation Details

- 9.3.2 Kureha Corporation Major Business
- 9.3.3 Kureha Corporation Fossil-based Biodegradable Plastic Product and Services
- 9.3.4 Kureha Corporation Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.3.5 Kureha Corporation Recent Developments/Updates
- 9.3.6 Kureha Corporation Competitive Strengths & Weaknesses
- 9.4 Daicel Corporation
 - 9.4.1 Daicel Corporation Details
 - 9.4.2 Daicel Corporation Major Business
 - 9.4.3 Daicel Corporation Fossil-based Biodegradable Plastic Product and Services
 - 9.4.4 Daicel Corporation Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Daicel Corporation Recent Developments/Updates
 - 9.4.6 Daicel Corporation Competitive Strengths & Weaknesses
- 9.5 Wanhua Chemical Group
 - 9.5.1 Wanhua Chemical Group Details
 - 9.5.2 Wanhua Chemical Group Major Business
 - 9.5.3 Wanhua Chemical Group Fossil-based Biodegradable Plastic Product and Services
 - 9.5.4 Wanhua Chemical Group Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Wanhua Chemical Group Recent Developments/Updates
 - 9.5.6 Wanhua Chemical Group Competitive Strengths & Weaknesses
- 9.6 Kingfa Sci. & Tech.
 - 9.6.1 Kingfa Sci. & Tech. Details
 - 9.6.2 Kingfa Sci. & Tech. Major Business
 - 9.6.3 Kingfa Sci. & Tech. Fossil-based Biodegradable Plastic Product and Services
 - 9.6.4 Kingfa Sci. & Tech. Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Kingfa Sci. & Tech. Recent Developments/Updates
 - 9.6.6 Kingfa Sci. & Tech. Competitive Strengths & Weaknesses
- 9.7 Xinjiang Lanshan Tunhe Technology
 - 9.7.1 Xinjiang Lanshan Tunhe Technology Details
 - 9.7.2 Xinjiang Lanshan Tunhe Technology Major Business
 - 9.7.3 Xinjiang Lanshan Tunhe Technology Fossil-based Biodegradable Plastic Product and Services
 - 9.7.4 Xinjiang Lanshan Tunhe Technology Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Xinjiang Lanshan Tunhe Technology Recent Developments/Updates

- 9.7.6 Xinjiang Lanshan Tunhe Technology Competitive Strengths & Weaknesses
- 9.8 China Energy Investment Corporation
 - 9.8.1 China Energy Investment Corporation Details
 - 9.8.2 China Energy Investment Corporation Major Business
 - 9.8.3 China Energy Investment Corporation Fossil-based Biodegradable Plastic Product and Services
 - 9.8.4 China Energy Investment Corporation Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 China Energy Investment Corporation Recent Developments/Updates
 - 9.8.6 China Energy Investment Corporation Competitive Strengths & Weaknesses
- 9.9 Anhui Haoyuan Chemical Group
 - 9.9.1 Anhui Haoyuan Chemical Group Details
 - 9.9.2 Anhui Haoyuan Chemical Group Major Business
 - 9.9.3 Anhui Haoyuan Chemical Group Fossil-based Biodegradable Plastic Product and Services
 - 9.9.4 Anhui Haoyuan Chemical Group Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Anhui Haoyuan Chemical Group Recent Developments/Updates
 - 9.9.6 Anhui Haoyuan Chemical Group Competitive Strengths & Weaknesses
- 9.10 Shandong Dawn Polymer
 - 9.10.1 Shandong Dawn Polymer Details
 - 9.10.2 Shandong Dawn Polymer Major Business
 - 9.10.3 Shandong Dawn Polymer Fossil-based Biodegradable Plastic Product and Services
 - 9.10.4 Shandong Dawn Polymer Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Shandong Dawn Polymer Recent Developments/Updates
 - 9.10.6 Shandong Dawn Polymer Competitive Strengths & Weaknesses
- 9.11 Zhejiang Hisun Biomaterials
 - 9.11.1 Zhejiang Hisun Biomaterials Details
 - 9.11.2 Zhejiang Hisun Biomaterials Major Business
 - 9.11.3 Zhejiang Hisun Biomaterials Fossil-based Biodegradable Plastic Product and Services
 - 9.11.4 Zhejiang Hisun Biomaterials Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Zhejiang Hisun Biomaterials Recent Developments/Updates
 - 9.11.6 Zhejiang Hisun Biomaterials Competitive Strengths & Weaknesses
- 9.12 SK Chemicals
 - 9.12.1 SK Chemicals Details

- 9.12.2 SK Chemicals Major Business
- 9.12.3 SK Chemicals Fossil-based Biodegradable Plastic Product and Services
- 9.12.4 SK Chemicals Fossil-based Biodegradable Plastic Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 SK Chemicals Recent Developments/Updates
- 9.12.6 SK Chemicals Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Fossil-based Biodegradable Plastic Industry Chain
- 10.2 Fossil-based Biodegradable Plastic Upstream Analysis
 - 10.2.1 Fossil-based Biodegradable Plastic Core Raw Materials
 - 10.2.2 Main Manufacturers of Fossil-based Biodegradable Plastic Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Fossil-based Biodegradable Plastic Production Mode
- 10.6 Fossil-based Biodegradable Plastic Procurement Model
- 10.7 Fossil-based Biodegradable Plastic Industry Sales Model and Sales Channels
 - 10.7.1 Fossil-based Biodegradable Plastic Sales Model
 - 10.7.2 Fossil-based Biodegradable Plastic Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World Fossil-based Biodegradable Plastic Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Fossil-based Biodegradable Plastic Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Fossil-based Biodegradable Plastic Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Fossil-based Biodegradable Plastic Production Value Market Share by Region (2021-2026)
- Table 5. World Fossil-based Biodegradable Plastic Production Value Market Share by Region (2027-2032)
- Table 6. World Fossil-based Biodegradable Plastic Production by Region (2021-2026) & (Kilotons)
- Table 7. World Fossil-based Biodegradable Plastic Production by Region (2027-2032) & (Kilotons)
- Table 8. World Fossil-based Biodegradable Plastic Production Market Share by Region (2021-2026)
- Table 9. World Fossil-based Biodegradable Plastic Production Market Share by Region (2027-2032)
- Table 10. World Fossil-based Biodegradable Plastic Average Price by Region (2021-2026) & (US\$/Ton)
- Table 11. World Fossil-based Biodegradable Plastic Average Price by Region (2027-2032) & (US\$/Ton)
- Table 12. Fossil-based Biodegradable Plastic Major Market Trends
- Table 13. World Fossil-based Biodegradable Plastic Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)
- Table 14. World Fossil-based Biodegradable Plastic Consumption by Region (2021-2026) & (Kilotons)
- Table 15. World Fossil-based Biodegradable Plastic Consumption Forecast by Region (2027-2032) & (Kilotons)
- Table 16. World Fossil-based Biodegradable Plastic Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Fossil-based Biodegradable Plastic Producers in 2025
- Table 18. World Fossil-based Biodegradable Plastic Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Fossil-based Biodegradable Plastic Producers in 2025

Table 20. World Fossil-based Biodegradable Plastic Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Fossil-based Biodegradable Plastic Company Evaluation Quadrant

Table 22. World Fossil-based Biodegradable Plastic Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Fossil-based Biodegradable Plastic Production Site of Key Manufacturer

Table 24. Fossil-based Biodegradable Plastic Market: Company Product Type Footprint

Table 25. Fossil-based Biodegradable Plastic Market: Company Product Application Footprint

Table 26. Fossil-based Biodegradable Plastic Competitive Factors

Table 27. Fossil-based Biodegradable Plastic New Entrant and Capacity Expansion Plans

Table 28. Fossil-based Biodegradable Plastic Mergers & Acquisitions Activity

Table 29. United States VS China Fossil-based Biodegradable Plastic Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Fossil-based Biodegradable Plastic Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Fossil-based Biodegradable Plastic Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Fossil-based Biodegradable Plastic Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Fossil-based Biodegradable Plastic Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Fossil-based Biodegradable Plastic Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Fossil-based Biodegradable Plastic Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Fossil-based Biodegradable Plastic Production Market Share (2021-2026)

Table 37. China Based Fossil-based Biodegradable Plastic Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Fossil-based Biodegradable Plastic Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Fossil-based Biodegradable Plastic Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Fossil-based Biodegradable Plastic Production,

(2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Fossil-based Biodegradable Plastic Production Market Share (2021-2026)

Table 42. Rest of World Based Fossil-based Biodegradable Plastic Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production Market Share (2021-2026)

Table 47. World Fossil-based Biodegradable Plastic Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Fossil-based Biodegradable Plastic Production by Type (2021-2026) & (Kilotons)

Table 49. World Fossil-based Biodegradable Plastic Production by Type (2027-2032) & (Kilotons)

Table 50. World Fossil-based Biodegradable Plastic Production Value by Type (2021-2026) & (USD Million)

Table 51. World Fossil-based Biodegradable Plastic Production Value by Type (2027-2032) & (USD Million)

Table 52. World Fossil-based Biodegradable Plastic Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Fossil-based Biodegradable Plastic Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Fossil-based Biodegradable Plastic Production Value by Feedstock Route, (USD Million), 2021 & 2025 & 2032

Table 55. World Fossil-based Biodegradable Plastic Production by Feedstock Route (2021-2026) & (Kilotons)

Table 56. World Fossil-based Biodegradable Plastic Production by Feedstock Route (2027-2032) & (Kilotons)

Table 57. World Fossil-based Biodegradable Plastic Production Value by Feedstock Route (2021-2026) & (USD Million)

Table 58. World Fossil-based Biodegradable Plastic Production Value by Feedstock Route (2027-2032) & (USD Million)

Table 59. World Fossil-based Biodegradable Plastic Average Price by Feedstock Route (2021-2026) & (US\$/Ton)

Table 60. World Fossil-based Biodegradable Plastic Average Price by Feedstock Route (2027-2032) & (US\$/Ton)

Table 61. World Fossil-based Biodegradable Plastic Production Value by Product Form, (USD Million), 2021 & 2025 & 2032

Table 62. World Fossil-based Biodegradable Plastic Production by Product Form (2021-2026) & (Kilotons)

Table 63. World Fossil-based Biodegradable Plastic Production by Product Form (2027-2032) & (Kilotons)

Table 64. World Fossil-based Biodegradable Plastic Production Value by Product Form (2021-2026) & (USD Million)

Table 65. World Fossil-based Biodegradable Plastic Production Value by Product Form (2027-2032) & (USD Million)

Table 66. World Fossil-based Biodegradable Plastic Average Price by Product Form (2021-2026) & (US\$/Ton)

Table 67. World Fossil-based Biodegradable Plastic Average Price by Product Form (2027-2032) & (US\$/Ton)

Table 68. World Fossil-based Biodegradable Plastic Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Fossil-based Biodegradable Plastic Production by Application (2021-2026) & (Kilotons)

Table 70. World Fossil-based Biodegradable Plastic Production by Application (2027-2032) & (Kilotons)

Table 71. World Fossil-based Biodegradable Plastic Production Value by Application (2021-2026) & (USD Million)

Table 72. World Fossil-based Biodegradable Plastic Production Value by Application (2027-2032) & (USD Million)

Table 73. World Fossil-based Biodegradable Plastic Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Fossil-based Biodegradable Plastic Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. BASF Basic Information, Manufacturing Base and Competitors

Table 76. BASF Major Business

Table 77. BASF Fossil-based Biodegradable Plastic Product and Services

Table 78. BASF Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. BASF Recent Developments/Updates

Table 80. BASF Competitive Strengths & Weaknesses

Table 81. Versalis Basic Information, Manufacturing Base and Competitors

Table 82. Versalis Major Business

Table 83. Versalis Fossil-based Biodegradable Plastic Product and Services

Table 84. Versalis Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Versalis Recent Developments/Updates

Table 86. Versalis Competitive Strengths & Weaknesses

Table 87. Kureha Corporation Basic Information, Manufacturing Base and Competitors

Table 88. Kureha Corporation Major Business

Table 89. Kureha Corporation Fossil-based Biodegradable Plastic Product and Services

Table 90. Kureha Corporation Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Kureha Corporation Recent Developments/Updates

Table 92. Kureha Corporation Competitive Strengths & Weaknesses

Table 93. Daicel Corporation Basic Information, Manufacturing Base and Competitors

Table 94. Daicel Corporation Major Business

Table 95. Daicel Corporation Fossil-based Biodegradable Plastic Product and Services

Table 96. Daicel Corporation Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Daicel Corporation Recent Developments/Updates

Table 98. Daicel Corporation Competitive Strengths & Weaknesses

Table 99. Wanhua Chemical Group Basic Information, Manufacturing Base and Competitors

Table 100. Wanhua Chemical Group Major Business

Table 101. Wanhua Chemical Group Fossil-based Biodegradable Plastic Product and Services

Table 102. Wanhua Chemical Group Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Wanhua Chemical Group Recent Developments/Updates

Table 104. Wanhua Chemical Group Competitive Strengths & Weaknesses

Table 105. Kingfa Sci. & Tech. Basic Information, Manufacturing Base and Competitors

Table 106. Kingfa Sci. & Tech. Major Business

Table 107. Kingfa Sci. & Tech. Fossil-based Biodegradable Plastic Product and Services

Table 108. Kingfa Sci. & Tech. Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market

Share (2021-2026)

Table 109. Kingfa Sci. & Tech. Recent Developments/Updates

Table 110. Kingfa Sci. & Tech. Competitive Strengths & Weaknesses

Table 111. Xinjiang Lanshan Tunhe Technology Basic Information, Manufacturing Base and Competitors

Table 112. Xinjiang Lanshan Tunhe Technology Major Business

Table 113. Xinjiang Lanshan Tunhe Technology Fossil-based Biodegradable Plastic Product and Services

Table 114. Xinjiang Lanshan Tunhe Technology Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Xinjiang Lanshan Tunhe Technology Recent Developments/Updates

Table 116. Xinjiang Lanshan Tunhe Technology Competitive Strengths & Weaknesses

Table 117. China Energy Investment Corporation Basic Information, Manufacturing Base and Competitors

Table 118. China Energy Investment Corporation Major Business

Table 119. China Energy Investment Corporation Fossil-based Biodegradable Plastic Product and Services

Table 120. China Energy Investment Corporation Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. China Energy Investment Corporation Recent Developments/Updates

Table 122. China Energy Investment Corporation Competitive Strengths & Weaknesses

Table 123. Anhui Haoyuan Chemical Group Basic Information, Manufacturing Base and Competitors

Table 124. Anhui Haoyuan Chemical Group Major Business

Table 125. Anhui Haoyuan Chemical Group Fossil-based Biodegradable Plastic Product and Services

Table 126. Anhui Haoyuan Chemical Group Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Anhui Haoyuan Chemical Group Recent Developments/Updates

Table 128. Anhui Haoyuan Chemical Group Competitive Strengths & Weaknesses

Table 129. Shandong Dawn Polymer Basic Information, Manufacturing Base and Competitors

Table 130. Shandong Dawn Polymer Major Business

Table 131. Shandong Dawn Polymer Fossil-based Biodegradable Plastic Product and Services

Table 132. Shandong Dawn Polymer Fossil-based Biodegradable Plastic Production

(Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Shandong Dawn Polymer Recent Developments/Updates

Table 134. Shandong Dawn Polymer Competitive Strengths & Weaknesses

Table 135. Zhejiang Hisun Biomaterials Basic Information, Manufacturing Base and Competitors

Table 136. Zhejiang Hisun Biomaterials Major Business

Table 137. Zhejiang Hisun Biomaterials Fossil-based Biodegradable Plastic Product and Services

Table 138. Zhejiang Hisun Biomaterials Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Zhejiang Hisun Biomaterials Recent Developments/Updates

Table 140. Zhejiang Hisun Biomaterials Competitive Strengths & Weaknesses

Table 141. SK Chemicals Basic Information, Manufacturing Base and Competitors

Table 142. SK Chemicals Major Business

Table 143. SK Chemicals Fossil-based Biodegradable Plastic Product and Services

Table 144. SK Chemicals Fossil-based Biodegradable Plastic Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. SK Chemicals Recent Developments/Updates

Table 146. SK Chemicals Competitive Strengths & Weaknesses

Table 147. Global Key Players of Fossil-based Biodegradable Plastic Upstream (Raw Materials)

Table 148. Global Fossil-based Biodegradable Plastic Typical Customers

Table 149. Fossil-based Biodegradable Plastic Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Fossil-based Biodegradable Plastic Picture

Figure 2. World Fossil-based Biodegradable Plastic Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Fossil-based Biodegradable Plastic Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Fossil-based Biodegradable Plastic Production (2021-2032) & (Kilotons)

Figure 5. World Fossil-based Biodegradable Plastic Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Fossil-based Biodegradable Plastic Production Value Market Share by Region (2021-2032)

Figure 7. World Fossil-based Biodegradable Plastic Production Market Share by Region (2021-2032)

Figure 8. North America Fossil-based Biodegradable Plastic Production (2021-2032) & (Kilotons)

Figure 9. Europe Fossil-based Biodegradable Plastic Production (2021-2032) & (Kilotons)

Figure 10. China Fossil-based Biodegradable Plastic Production (2021-2032) & (Kilotons)

Figure 11. Japan Fossil-based Biodegradable Plastic Production (2021-2032) & (Kilotons)

Figure 12. Fossil-based Biodegradable Plastic Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 15. World Fossil-based Biodegradable Plastic Consumption Market Share by Region (2021-2032)

Figure 16. United States Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 17. China Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 18. Europe Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 19. Japan Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 20. South Korea Fossil-based Biodegradable Plastic Consumption (2021-2032)

& (Kilotons)

Figure 21. ASEAN Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 22. India Fossil-based Biodegradable Plastic Consumption (2021-2032) & (Kilotons)

Figure 23. Producer Shipments of Fossil-based Biodegradable Plastic by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Fossil-based Biodegradable Plastic Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Fossil-based Biodegradable Plastic Markets in 2025

Figure 26. United States VS China: Fossil-based Biodegradable Plastic Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Fossil-based Biodegradable Plastic Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Fossil-based Biodegradable Plastic Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Fossil-based Biodegradable Plastic Production Market Share 2025

Figure 30. China Based Manufacturers Fossil-based Biodegradable Plastic Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Fossil-based Biodegradable Plastic Production Market Share 2025

Figure 32. World Fossil-based Biodegradable Plastic Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Fossil-based Biodegradable Plastic Production Value Market Share by Type in 2025

Figure 34. PBAT

Figure 35. PBS and PBSA

Figure 36. PCL

Figure 37. PGA

Figure 38. Others

Figure 39. World Fossil-based Biodegradable Plastic Production Market Share by Type (2021-2032)

Figure 40. World Fossil-based Biodegradable Plastic Production Value Market Share by Type (2021-2032)

Figure 41. World Fossil-based Biodegradable Plastic Average Price by Type (2021-2032) & (US\$/Ton)

Figure 42. World Fossil-based Biodegradable Plastic Production Value by Feedstock

Route, (USD Million), 2021 & 2025 & 2032

Figure 43. World Fossil-based Biodegradable Plastic Production Value Market Share by Feedstock Route in 2025

Figure 44. Petrochemical-based Route

Figure 45. Coal Chemical-based Route

Figure 46. Others

Figure 47. World Fossil-based Biodegradable Plastic Production Market Share by Feedstock Route (2021-2032)

Figure 48. World Fossil-based Biodegradable Plastic Production Value Market Share by Feedstock Route (2021-2032)

Figure 49. World Fossil-based Biodegradable Plastic Average Price by Feedstock Route (2021-2032) & (US\$/Ton)

Figure 50. World Fossil-based Biodegradable Plastic Production Value by Product Form, (USD Million), 2021 & 2025 & 2032

Figure 51. World Fossil-based Biodegradable Plastic Production Value Market Share by Product Form in 2025

Figure 52. Resin Pellets

Figure 53. Modified Granules

Figure 54. Others

Figure 55. World Fossil-based Biodegradable Plastic Production Market Share by Product Form (2021-2032)

Figure 56. World Fossil-based Biodegradable Plastic Production Value Market Share by Product Form (2021-2032)

Figure 57. World Fossil-based Biodegradable Plastic Average Price by Product Form (2021-2032) & (US\$/Ton)

Figure 58. World Fossil-based Biodegradable Plastic Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 59. World Fossil-based Biodegradable Plastic Production Value Market Share by Application in 2025

Figure 60. Packaging Films and Bags

Figure 61. Disposable Tableware and Food Packaging

Figure 62. Agricultural Mulch Films

Figure 63. Injection Molding and Daily-Use Products

Figure 64. Other

Figure 65. World Fossil-based Biodegradable Plastic Production Market Share by Application (2021-2032)

Figure 66. World Fossil-based Biodegradable Plastic Production Value Market Share by Application (2021-2032)

Figure 67. World Fossil-based Biodegradable Plastic Average Price by Application

(2021-2032) & (US\$/Ton)

Figure 68. Fossil-based Biodegradable Plastic Industry Chain

Figure 69. Fossil-based Biodegradable Plastic Procurement Model

Figure 70. Fossil-based Biodegradable Plastic Sales Model

Figure 71. Fossil-based Biodegradable Plastic Sales Channels, Direct Sales, and Distribution

Figure 72. Methodology

Figure 73. Research Process and Data Source

I would like to order

Product name: Global Fossil-based Biodegradable Plastic Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G5295B36509CEN.html>

Price: US\$ 4,480.00 (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/G5295B36509CEN.html>