

Global Markets and Technologies for Bioplastics

Market Research Report | 2025-03-07 | 148 pages | BCC Research

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Report description:

Description

Report Scope

This report will include details regarding various raw material types, applications and end-use industries for bioplastics. Estimated volumes, measured in kilotons, are based on manufacturers' total production. The report includes comprehensive information regarding the bioplastics industry and its end users.

The global bioplastics market is segmented into:

- Raw materials: Sugarcane, corn starch, cassava and others.
- Type: (Biodegradable and biobased/non-degradable).
- Application: Films, bottles and containers, interior components, exterior parts, nonwoven textiles, electronics casings and others.
- End use: Packaging, textile, consumer goods, automotive, agriculture, electronics, building and constructions, and others.
- Region: North America, Europe, Asia-Pacific, South America, and Middle East and Africa.

Report Includes

- 132 data tables and 51 additional tables
- An updated review of the global market for bioplastics and related technologies
- Analyses of the global market trends, with sales data for 2023, estimates for 2024, forecasts for 2028, and projections of compound annual growth rates (CAGRs) through 2029
- Evaluation and forecast the overall bioplastics market size in volumetric terms, and corresponding market share analysis by material type, type, application, end use industry and region
- Highlights of emerging technology trends, opportunities and gaps estimating current and future demand for bioplastic materials
- Identification of the companies best positioned to meet this demand owing to their proprietary technologies, new product launches, and other strategic alliances
- Discussion of industry value chain analysis, demand-supply gap, and factors driving the growth of market for polymer materials
- A relevant patent analysis with emphasis on emerging technologies and new developments in the market

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- A discussion on ESG challenges and practices of the industry
- Market share analysis of the key companies of the industry and coverage of their proprietary technologies, strategic alliances, and other key market strategies
- Company profiles of major players within the industry, including BASF, Arkema, LG Chem., Mitsubishi Chemical Group Corp., and LyondellBasell Industries Holdings B.V.

Executive Summary

Summary:

The global market volume for bioplastics is estimated to increase from 2431.9 kilotons in 2024 to reach 5634.6 kilotons by 2029, at a compound annual growth rate (CAGR) of 18.3% from 2024 through 2029.

The growing packaging, automotive, textile and agriculture industries have established novel prospects for the bioplastics manufacturing industries. Technological advances in engineering plastics, agricultural mulching, electronics casings and manufacturing techniques create new doors for the bioplastics industry. The availability of raw materials and modest production procedures are prompting small and medium polymer producers to enter the market. Corporate sustainability initiatives further prompt global traditional plastics manufacturers to enter the bioplastics market. Global players in the market are reducing their dependency on fossil fuels and focusing on renewable raw materials for bioplastic production. These drivers provide an ideal environment for the market expansion of bioplastics.

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