

# **Europe 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)**

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## **Abstracts**

The Europe bioplastics and biopolymers market is expected to grow from US\$ 1,988.53 million in 2023 to US\$ 3,865.69 million by 2030. It is estimated to grow at a CAGR of 10.0% from 2023 to 2030.

**Rising Demand for Eco-Friendly Plastics in Packaging Industry Fuel Europe Bioplastics and Biopolymers Market**

Polylactic acids (PLAs) are the most typically used bioplastic in food packaging, whereas polyhydroxyalkanoates (PHAs) are often used in medical applications, including sutures and cardiovascular patches. PLA has properties similar to polyethylene and polypropylene. Its advantages, such as high rigidity, transparency, stability, and superior performance, make it highly usable in food packaging. Further, producing PLA plastic saves two-thirds of the energy required for fabricating fossil fuel-based plastics. PLAs emit almost 70% fewer greenhouse gases than conventional plastics during the degradation in a landfill.

Bioplastic and biopolymer packaging options include bags for agricultural foils, compost, nursery products, horticultural products, toys, and textiles. They are usually utilized for disposable cups, plates, salad bowls, clingfilm, and food containers. The development

of sophisticated bioplastic and biopolymer packaging for food products has notably enhanced the shelf life of food. Its use helps brands connect with their customers by showing they are conscious of their environmental footprint. Bioplastics and biopolymers offer an alternative approach to packaging and are a real solution to reduce traditional plastic use and waste. Factors such as growing environmental concerns and a global endeavor to lessen pollution are driving the demand for biodegradable plastics in the packaging sector across the globe. Thus, the growing demand for eco-friendly plastics in the packaging sector is a major factor boosting the growth of Europe bioplastics and biopolymers market in the forecast period.

#### Europe Bioplastics and Biopolymers Market Overview

The Europe bioplastics and biopolymers market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. Growing demand from packaging, automotive, catering products, consumer electronics, agriculture/horticulture, and textiles are driving the bioplastics and biopolymers market growth in the region. Increasing consumer preference to use bioplastics and biopolymers packaging material over synthetic plastic packaging as it can be decomposed with food is favoring the market growth. Factors such as high biodegradation, eco-friendly, zero toxicity, and direct substitute to conventional plastic have also surged the demand for bioplastics and biopolymers in the region.

#### Europe Bioplastics and Biopolymers Market Revenue and Forecast to 2030 (US\$ Million)

#### Europe Bioplastics and Biopolymers Market Segmentation

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

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

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

Based on country, the Europe bioplastics and biopolymers market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. The Rest of Europe dominated the Europe 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 Europe bioplastics and biopolymers market.

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