

# **Bioplastic Composites Market for Injection Molding By Polymer (Natural Polymer and Synthetic Polymer), Fiber Type (Wood Fiber Composites and Non-wood Fiber Composites), and End-user Industry (Transportation, Electrical & Electronics, Building & Construction, Aerospace & Defense, Consumer Goods, and Others) - Global Opportunity Analysis and Industry Forecast, 2017-2023**

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## **Abstracts**

Bioplastics are derived from renewable feedstocks such as corn, sugarcane, and cellulose. The preference towards bio-based plastics has increased significantly, due to their eco-friendly nature, abundant availability of renewable feedstocks, and favorable government policies that aid the use of bioplastics in various industries. Moreover, bioplastics are widely applicable in rigid packaging, flexible packaging, textiles, consumer goods, agriculture, construction, electrical & electronics, and other industries. Furthermore, the fusion of bio-resources such as plant-derived natural fibers into bioplastic composite structures has gained traction in designing and engineering of bioplastic composites. The natural fibers used in the bioplastics help to enhance the specific properties such as stiffness & thermal behavior, reduce the price of bioplastics, improve the bio-based share of bioplastics, and refine their recyclability.

Environment-friendly properties of bioplastics and their high consumer acceptance significantly drive the growth of the global bioplastic market for injection molding. Furthermore, favorable government policy towards the use of bioplastics and adequate accessibility of renewable raw material sources fuel the market growth. However, high cost of bioplastics and their limited performance restrain the growth of the bioplastic composites market. On the contrary, decrease in dependency on petroleum resource

and increase in R&D activities for bioplastic are expected to provide lucrative future opportunities for the market growth.

The report segments the global bioplastic composites market for injection molding on the basis of polymer, fiber type, end-user industry, and geography. Based on polymer, the market is bifurcated into natural polymer and synthetic polymer. Natural polymer is further classified into polyhydroxyalkanoate (PHA), polylactic acid (PLA), and others, whereas synthetic polymer is subsegmented into epoxy, polypropylene, and others. By fiber type, the market is divided into wood fiber composites and non-wood fiber composites. The wood fiber composites segment is further categorized into hardwood and softwood, while non-wood fiber composites is divided into flax, hemp, jute, and others. Depending on end-user industry, the market is fragmented into transportation, electrical & electronics, building & construction, aerospace & defense, consumer goods and others. Geographically, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players operating in the market include Arkema, Mitsubishi Plastics, Inc., Huntsman Corporation, BASF SE, Toray Industries, Inc., Natureworks LLC, Corbion NV, Dow Chemical Company, and Solvay SA, Braskem.

## **KEY BENEFITS**

Porters Five Force's analysis helps in analyzing the potential of buyers and suppliers and the competitive scenario of the industry for strategy building.

It outlines the current trends and future scenario of the bioplastic composites market for injection molding from 2017 to 2023 to understand the prevailing opportunities and potential investment pockets.

Major countries in each region have been mapped according to their individual revenue contribution to the global/regional market.

An in-depth analysis of the current research & clinical developments within the market is provided along with the key dynamic factors.

The key drivers, restrains, and opportunities and their detailed impact analyses have been elucidated in the study.

The profiles of key players along with their key strategic developments have been enlisted in the report.

## KEY MARKET SEGMENTS

### By Polymer

#### Natural Polymer

Polyhydroxyalkanoate (PHA)

Polylactic Acid (PLA)

Others

#### Synthetic Polymer

Epoxy

Polypropylene

Others

### By Fiber Type

#### Wood Fiber Composites

Hardwood

Softwood

#### Non-Wood Fiber Composites

Flax

Hemp

Jute

Others

## By End-User Industry

Transportation

Electrical & Electronics

Building & Construction

Aerospace & Defense

Consumer Goods

Others

## By Geography

North America

U.S.

Canada

Mexico

Europe

Germany

France

Spain

Italy

UK

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

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