

## **Global Biodegradable Medical Plastics Market Report and Forecast 2024-2032**

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### **Report description:**

Global Biodegradable Medical Plastics Market Report and Forecast 2024-2032

#### Market Outlook

According to the report by Expert Market Research (EMR), the global biodegradable medical plastics market is projected to grow at a CAGR of 11.9% between 2024 and 2032. Aided by the escalating demand for environmentally friendly medical solutions and the diverse applications of biodegradable plastics in the medical sector, the market is expected to grow significantly by 2032. Biodegradable medical plastics represent a groundbreaking innovation in the healthcare realm. Derived from renewable sources, these plastics decompose naturally over time, reducing their environmental footprint considerably. They are primarily employed in various medical applications, encompassing sutures, orthopaedic implants, drug delivery systems, and disposable surgical instruments, among others. Their unique blend of mechanical strength, coupled with their biocompatible nature, renders them invaluable for medical applications where minimal environmental impact is a priority.

The global shift towards sustainable healthcare solutions is significantly driving the biodegradable medical plastics market growth. As medical waste continues to be a point of contention, the need for materials that reduce environmental harm has never been more pronounced. Biodegradable medical plastics offer a solution to this challenge, being designed to break down naturally and alleviate the pollution caused by traditional non-degradable medical plastics.

According to the biodegradable medical plastics market analysis, the burgeoning advancements in medical research and technology have unveiled a multitude of novel applications for biodegradable plastics. In the realm of drug delivery, for instance, these plastics are being harnessed to develop controlled and sustained release systems, ensuring that drugs are delivered to the body at the optimal rate. Similarly, in orthopaedics, biodegradable plastics are used to create implants that support bone healing and eventually degrade, eliminating the need for secondary surgeries.

The beauty of biodegradable medical plastics also lies in their versatility. The cosmetic and aesthetic surgery sector, for example, has turned to these plastics for the production of temporary implants and fillers, appreciating their biocompatibility and ability to dissolve harmlessly over time. This ensures that patients do not require surgical interventions to remove or replace certain implants.

The medical packaging industry is another key player bolstering the biodegradable medical plastics market demand. With an emphasis on reducing waste from packaging materials, biodegradable plastics have emerged as the frontrunners in the quest for

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sustainable medical packaging solutions. Their capacity to decompose after a designated period reduces landfill waste, underscoring their environmental advantage.

#### Market Segmentation

The market can be divided based on application and region.

#### Market Breakup by Application

- Medical Devices
- Medical Packaging
- Others

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global biodegradable medical plastics market. Some of the major players explored in the report by Expert Market Research are as follows:

- BASF SE
- Corbion NV
- Amcor PLC
- Mondi Plc
- Others

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