

Global Bioresorbable Polymers Market 2023

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Abstracts

Bioresorbable polymers, also referred to as biodegradable or absorbable polymers, represent a class of materials that possess the unique capability to break down and be absorbed by the body over a period of time. These polymers have garnered significant attention in the medical field due to their potential applications in various areas, including drug delivery systems, tissue engineering, and surgical implants. One of the key distinguishing features of bioresorbable polymers is their ability to degrade and be metabolized by the body, obviating the need for surgical removal once they have fulfilled their intended purpose. This particular property makes them highly advantageous in scenarios where temporary support or controlled release of drugs is desired.

According to market analysis, the global bioresorbable polymers market is projected to experience substantial growth in the coming years. The global bioresorbable polymers market is projected to rise by USD 1.6 billion by 2029, according to the latest market study results. It is anticipated to expand at a CAGR of 12.64 percent during the forecast period. This growth can be attributed to several factors, including increased research and development activities in the field of biomaterials, rising demand for minimally invasive procedures, and the growing preference for bioresorbable materials over permanent implants. The expanding applications of bioresorbable polymers in drug delivery systems, tissue engineering, and surgical implants are expected to drive the market's growth.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global bioresorbable polymers market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

Market Segmentation

Type: agro-polymers, bio-polyesters

Agro-polymers: proteins, polysaccharides

Bio-polyesters: polyglycolic acid (PGA), polylactic acid (PLA), polycaprolactone (PCL), polydioxanone (PDO), others

Application: orthopedics, drug delivery, biodegradable devices, others

Region: Asia-Pacific, Europe, North America, Middle East and Africa (MEA), South America

This industry report provides market estimates and forecasts for the global bioresorbable polymers market, along with a comprehensive analysis of the market based on type, application, and region. The global market for bioresorbable polymers can be divided into two main types: agro-polymers and bio-polyesters. Among these, the bio-polyesters segment has emerged as the largest contributor to the bioresorbable polymers market worldwide.

Within the agro-polymers market, there are further subdivisions into proteins and polysaccharides. Among these subsegments, the polysaccharides segment has been the largest contributor to the global bioresorbable polymers market in 2022. This indicates the growing utilization of polysaccharides derived from natural sources in the development of bioresorbable polymers, owing to their biocompatibility and biodegradability. Similarly, the bio-polyesters market is categorized into different types, including polyglycolic acid (PGA), polylactic acid (PLA), polycaprolactone (PCL), polydioxanone (PDO), and others. Among these subsegments, PLA is estimated to account for the largest share of the global bioresorbable polymers market.

In terms of application, the bioresorbable polymers market is further segmented into orthopedics, drug delivery, biodegradable devices, and others. Among these applications, the orthopedics segment has captured the largest share of the market in 2022. This indicates the significant demand for bioresorbable polymers in orthopedic applications, such as implants and surgical sutures.

Geographically, the bioresorbable polymers market is segmented into Asia-Pacific, Europe, North America, the Middle East and Africa (MEA), and South America. North America has emerged as the region with the largest share in the global bioresorbable polymers market, driven by factors such as technological advancements, increasing healthcare expenditure, and a growing focus on advanced medical treatments.

Major Companies and Competitive Landscape

The global bioresorbable polymers market report offers detailed information on several market vendors, including Evonik Industries AG, Corbion NV, Foster Corporation, Poly-Med Inc., REVA Medical, Inc, Groupe PCAS, Merck KGaA, Koninklijke DSM N.V, KLS Martin, Ashland Global Holdings Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

Scope of the Report

To analyze and forecast the market size of the global bioresorbable polymers market.

To classify and forecast the global bioresorbable polymers market based on type, application, region.

To identify drivers and challenges for the global bioresorbable polymers market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global bioresorbable polymers market.

To identify and analyze the profile of leading players operating in the global bioresorbable polymers market.

Why Choose This Report

Gain a reliable outlook of the global bioresorbable polymers market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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