

## **Global Polymeric Biomaterials - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The Global Polymeric Biomaterials Market size is estimated at USD 2.22 billion in 2025, and is expected to reach USD 4.81 billion by 2030, at a CAGR of 16.71% during the forecast period (2025-2030).

The key factors propelling the market growth include innovations in polymeric biomaterials and increasing applications of polymeric biomaterials in tissue engineering. The rising number of neurological and orthopedic procedures is one of the major contributors to the market growth worldwide.

For instance, according to a report published in Parkinson's United Kingdom (UK) in February 2024, approximately 153,000 individuals in the United Kingdom are living with Parkinson's disease. With the aging population and continued growth, this figure is projected to rise by nearly 20% to 172,000 by 2030. The increasing prevalence of Parkinson's disease, driven by an aging population, is propelling the growth of the polymer biomaterials market. These materials are increasingly used in developing advanced therapeutic solutions, including drug delivery systems and neural implants.

Furthermore, widening applications of polymeric biomaterials coupled with introducing new products are expected to propel the market growth. For instance, in June 2023, International Flavors & Fragrances (IFF) introduced its groundbreaking Designed Enzymatic Biomaterials (DEB) technology, aimed at developing biobased materials that offer sustainability benefits with performance on par with or better than traditional fossil-based materials. This innovation is expected to drive growth in the polymer biomaterials market by meeting rising regulatory and consumer demands for sustainable, high-performance alternatives across diverse industries.

In conclusion, innovations in polymeric biomaterials, increasing applications, and advancements in sustainable biomaterials are

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

propelling the growth of the polymer biomaterials market. However, complications associated with polymeric biomaterials are expected to hinder market growth.

## Global Polymeric Biomaterials Market Trends

### The Orthopedic Segment is Expected to Witness Significant Growth Over the Forecast Period

With the increasing number of musculoskeletal disorders (MSDs), the orthopedic segment is likely to increase as MSDs require surgical treatment. Hence, the requirement for biomaterials for such treatments is high. For instance, according to a report published by the Australian Government in June 2024, approximately 7.3 million individuals in Australia, representing 29% of the population, were estimated to be affected by chronic musculoskeletal conditions in 2023. Among them, 4.0 million experienced back issues, 3.7 million had arthritis, and 854,000 were living with osteoporosis or osteopenia. The high prevalence of chronic musculoskeletal conditions drives the demand for advanced orthopedic solutions. This increasing demand is propelling the growth of the orthopedic segment, highlighting the necessity for innovative, durable, and biocompatible materials for both therapeutic and surgical applications.

Additionally, the growing geriatric population across the globe is expected to increase the number of people suffering from orthopedic diseases, such as arthritis, osteoarthritis, and rheumatoid arthritis, as they are more prone to develop joint-related disorders due to weaker bones. For instance, according to a report published by the World Health Organization in July 2023, aging populations are leading to a significant rise in osteoarthritis cases, with over 528 million people worldwide affected, the majority being over 55 years old. The growing geriatric population, prone to the incidence of orthopedic conditions, is propelling the demand for advanced treatments, thereby driving growth in the orthopedic segment of the polymer biomaterials market through the need for more effective and durable biomaterial orthopedic solutions.

Moreover, initiatives by the key market players are another factor responsible for the segment growth. For instance, in February 2023, Invivio Biomaterial Solutions inaugurated a new orthopedic product development facility in Leeds, United Kingdom. It marked a strategic expansion to enhance its medical device research and development and manufacturing capabilities. This development strengthens Invivio's ability to support original medical device manufacturers (OEMs) in co-developing and launching advanced polyetheretherketone (PEEK) polymer implantable devices while fostering collaboration with academia and medical businesses.

In conclusion, the growing demand for polymeric biomaterials, driven by advancements in the orthopedic segment, the rising prevalence of orthopedic conditions, and expanding applications in various medical fields, is expected to propel segment growth significantly.

### North America is Expected to Hold a Significant Share in the Market Over the Forecast Period

North America holds a significant market share in the polymer biomaterials market and is expected to continue its stronghold for a few more years. In the United States, several private companies have vast expertise in biopolymers with access to advanced technology and custom synthesis. Significant factors such as increasing surgical procedures such as plastic surgery and orthopedic injuries are expected to boost the market growth.

For instance, according to the International Society of Aesthetic Plastic Surgery report published in June 2024, the United States performed the most aesthetic and surgical procedures worldwide, with over 6.1 million in 2023. The high number of these procedures, particularly in plastic surgeries, is propelling the growth of the polymer biomaterials market. These materials enhance tissue compatibility, reduce infection risks, and improve overall surgical outcomes.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

Similarly, the rising prevalence of eye disorders in Canada is also expected to propel the market growth. For instance, according to an article published by North Toronto Eye Care, in June 2023, 2.5 million Canadians are living with cataracts in 2023. In the country, more than 350,000 cataract surgeries are performed each year. The rising prevalence of eye disorders in Canada, such as cataracts, drives demand for advanced surgical interventions, accelerating the need for innovative polymer biomaterials due to their biocompatibility and use in ophthalmic procedures.

As the number of plastic surgeries and other surgical procedures rises in the region, the demand for more patient-compatible polymer biomaterials is set to surge, driving the market's growth during the study period.

## Global Polymeric Biomaterials Industry Overview

The polymer biomaterials market is moderately competitive and consists of several major players. In terms of market share, a small number of significant players currently dominate the market. However, with technological advancements and product innovations, mid-size to smaller companies are increasing their market presence. Companies like BASF SE, Bezwada Biomedical LLC, Corbion NV, Zimmer Biomet, and Royal DSM hold a substantial market share.

### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

### **Table of Contents:**

#### 1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

#### 2 RESEARCH METHODOLOGY

#### 3 EXECUTIVE SUMMARY

#### 4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Market Drivers
  - 4.2.1 New Innovations in the Field of Polymeric Biomaterials
  - 4.2.2 Increasing Applications of Polymeric Biomaterials in Tissue Engineering
- 4.3 Market Restraints
  - 4.3.1 Complications Associated with Polymeric Biomaterials
- 4.4 Porter's Five Forces Analysis
  - 4.4.1 Threat of New Entrants
  - 4.4.2 Bargaining Power of Buyers/Consumers
  - 4.4.3 Bargaining Power of Suppliers
  - 4.4.4 Threat of Substitute Products
  - 4.4.5 Intensity of Competitive Rivalry

#### 5 MARKET SEGMENTATION (Market Size- in USD)

- 5.1 By Product Type
  - 5.1.1 Polyaryletheretherketone

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 5.1.2 Polyglycolic Acid
- 5.1.3 Polylactic Acid
- 5.1.4 Polytetrafluoroethylene & Expanded Polytetrafluoroethylene
- 5.1.5 Polyurethanes
- 5.1.6 Other Products
- 5.2 By Application
  - 5.2.1 Neurology
  - 5.2.2 Cardiology
  - 5.2.3 Orthopedics
  - 5.2.4 Ophthalmology
  - 5.2.5 Wound Care
  - 5.2.6 Other Applications
- 5.3 Geography
  - 5.3.1 North America
    - 5.3.1.1 United States
    - 5.3.1.2 Canada
    - 5.3.1.3 Mexico
  - 5.3.2 Europe
    - 5.3.2.1 Germany
    - 5.3.2.2 United Kingdom
    - 5.3.2.3 France
    - 5.3.2.4 Italy
    - 5.3.2.5 Spain
    - 5.3.2.6 Rest of Europe
  - 5.3.3 Asia-Pacific
    - 5.3.3.1 China
    - 5.3.3.2 Japan
    - 5.3.3.3 India
    - 5.3.3.4 Australia
    - 5.3.3.5 South Korea
    - 5.3.3.6 Rest of Asia-Pacific
  - 5.3.4 Middle East and Africa
    - 5.3.4.1 GCC
    - 5.3.4.2 South Africa
    - 5.3.4.3 Rest of Middle East and Africa
  - 5.3.5 South America
    - 5.3.5.1 Brazil
    - 5.3.5.2 Argentina
    - 5.3.5.3 Rest of South America

## 6 COMPETITIVE LANDSCAPE

- 6.1 Company Profiles
  - 6.1.1 BASF SE
  - 6.1.2 Bezwada Biomedical LLC
  - 6.1.3 Collagen Solutions LLC
  - 6.1.4 Corbion NV
  - 6.1.5 Covestro AG

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 6.1.6 Evonik Industries AG
- 6.1.7 DSM-Firmenich AG
- 6.1.8 Starch Medical Inc.
- 6.1.9 Victrex Manufacturing Limited
- 6.1.10 W. L. Gore & Associates, Inc.
- 6.1.11 Zimmer Biomet

## 7 MARKET OPPORTUNITIES AND FUTURE TRENDS

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Global Polymeric Biomaterials - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-26"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

