

Medical Polymers Market Report by Product Type (Medical Resins and Fibers, Medical Elastomers, Biodegradable Plastics), Application (Medical Equipment and Devices, Medical Packaging, and Others), and Region 2024-2032

Market Report | 2024-08-10 | 135 pages | IMARC Group

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Report description:

The global medical polymers market size reached US\$ 21.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 39.1 Billion by 2032, exhibiting a growth rate (CAGR) of 6.5% during 2024-2032.

Medical polymers comprise bulk materials, coatings, and pharmaceutical nano-carriers used for making drugs in regenerative medicine and tissue engineering. They offer versatility, strength, flexibility, biodegradability, biocompatibility, sterilization stability, and fatigue, heat, and electrical resistance. Several manufacturers are currently proving different types of medical polymers with adjusted molecular weight, crosslinking and crystallization degrees, copolymers and blends, and additional bioactive surface functionalization. Moreover, the growing demand for new and innovative medical devices is escalating the need for medical polymers worldwide to support device development and sustainability.

Medical Polymers Market Trends:

The rising need for swabs, medical devices, disposable masks, and personal protective equipment (PPE) to diagnose and treat individuals with coronavirus disease (COVID-19) represents one of the key factors impelling the demand for medical polymers. Apart from this, the increasing prevalence of infectious, chronic, cardiovascular, and other chronic diseases is propelling the adoption of advanced medical devices, which, in turn, is contributing to the market growth. Additionally, governments of numerous countries are financing medical research and development (R&D) projects to improve healthcare infrastructure. Besides this, the increasing need for organ transplantation due to the growing geriatric population and escalating number of accidents is driving the market. Furthermore, the emerging trend of medical tourism and the increasing popularity of home healthcare services are promoting the market growth. The leading market players are also focusing on introducing new and sophisticated biopolymers, which is projected to enhance the application of medical polymers in orthopedic stabilizing materials and vascular stents.

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Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global medical polymers market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product type and application.

Breakup by Product Type:

- Medical Resins and Fibers
 - o□ Polyvinyl Chloride
 - o□ Polypropylene
 - o□ Polyethylene
 - o□ Polystyrene
 - o□ Others
- Medical Elastomers
 - o□ Styrene Block Copolymer
 - o□ Rubber Latex
 - o□ Others
- Biodegradable Plastics

Breakup by Application:

- Medical Equipment and Devices
- Medical Packaging
- Others

Breakup by Region:

- North America
 - o□ United States
 - o□ Canada
- Asia-Pacific
 - o□ China
 - o□ Japan
 - o□ India
 - o□ South Korea
 - o□ Australia
 - o□ Indonesia
 - o□ Others
- Europe
 - o□ Germany
 - o□ France
 - o□ United Kingdom
 - o□ Italy
 - o□ Spain
 - o□ Russia
 - o□ Others
- Latin America
 - o□ Brazil
 - o□ Mexico
 - o□ Others
- Middle East and Africa

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Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BASF SE, Celanese Corporation, Covestro AG, DuPont, Eastman Chemical Company, Evonik Industries AG, Exxon Mobil Corporation, Huizhou Foryou Medical Device Co. Ltd., Kraton Corporation and Solvay S.A.

Key Questions Answered in This Report:

- How has the global medical polymers market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global medical polymers market?
- What are the key regional markets?
- What is the breakup of the market based on the product type?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global medical polymers market and who are the key players?
- What is the degree of competition in the industry?

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