

Worldwide Medical Polymer Markets: 2013-2020

<https://marketpublishers.com/r/W012D9211DBEN.html>

Date: September 2013

Pages: 165

Price: US\$ 1,995.00 (Single User License)

ID: W012D9211DBEN

Abstracts

NanoMarkets believes that medical polymers represents a major opportunity in the medical materials market over the next few years. Several factors are leading to growth in this market. Perhaps the most obvious is the aging of the population in developed nations is expanding the addressable market for polymer implants. Many polymer implants are specifically intended to assist elder patients.

Opportunity in this market has also expanded because the latest technical developments in medical polymers can fine tune implant capabilities, enable better fits for implants, and increased biocompatibility. Polymer structures can also now substitute for cartilage or enable doctors to grow a patient's tissue for transplants.

At the same time the new legal protections that followed the silicone breast implant debacle have considerably reduced the risk in the medical polymer space. And as a result of all of these factors, the medical polymer business has taken off, with the emergence of new start ups and plenty of M&A activity.

With all that is happening in this space, NanoMarkets is publishing a report that identifies current and future opportunities in the medical polymers space and provides guidance on the technical and regulatory framework in which these opportunities are arising. As with all NanoMarkets reports in the medical materials field, this report includes a granular eight-year forecast and also profiles key suppliers and analyzes the complete supply chain for medical polymers. For the firms covered we discuss their strategies and needs along with their strengths and weaknesses. Finally, the report provides an analysis of the market for medical polymers in various important country-specific markets.

Readers of this report will gain the following:

An analytical review of polymers used for medical applications, including developing implants, diagnostic systems, and hospital labware.

Knowledge on current technical and market trends, including general market drivers for improvement in the healthcare sector, polymer production, and evaluation for clinical approval.

An understanding of key medical products and their future implications.

A pin-pointed analysis of the changing dynamics of polymer producers.

Eight-year forecasts based on expected market growth.

A brief technological road map for understanding industry growth.

Profiles of major companies operating as manufacturers of medical polymers.

Insight into important geographical locations pertaining to polymer and healthcare sectors.

Information on the size of the medical polymer market in developed nations and the fast-growing economies in Asia, such as China and India.

Details of the regulatory requirements of these countries for producing high-quality, medically approved polymers and their use in various applications.

Help in making business decisions for venturing into the medical polymer market.

Descriptive and distinctive graphics, along with concise, tabular analyses of various domains.

Contents

EXECUTIVE SUMMARY

- E.1 Opportunities in the Medical Device Market
- E.2 Opportunities for the Plastics Industry
- E.3 Firms and Strategies to Watch in the Medical Polymer Market
 - E.3.1 Bayer MaterialScience
 - E.3.2 Celanese
 - E.3.3 Dow Corning
 - E.3.4 Dow Chemical
 - E.3.5 DSM
 - E.3.6 DuPont
 - E.3.7 Eastman Chemical
 - E.3.8 Evonik
 - E.3.9 Solvay
- E.4 Summary of Eight-Year Forecasts of the Medical Polymer Market

CHAPTER ONE: INTRODUCTION

- 1.1 Background to this Report
 - 1.1.1 Boom in Thermoplastic Elastomers (TPES) and Engineered Plastics (Super Specialty Plastics)
 - 1.1.2 Rise of Degradable Polymers
 - 1.1.3 Important Points for Manufacturers
- 1.2 Scope and Objectives of this Report
- 1.3 Methodology and Information Sources
- 1.4 Plan of this Report

CHAPTER TWO: COMMERCIAL TRENDS IN MEDICAL POLYMERS

- 2.1 Generic Advantages and Disadvantages of Polymers for Medical Applications
 - 2.1.1 Advantages of Polymers in Medical Applications
 - 2.1.2 Disadvantages of Polymers in Medical Applications
 - 2.1.3 Replacement of Metals with Polymers in Medical Devices
- 2.2 Thermoplastics (PMMA, PLA, PGA, PP, PEEK, Polycarbonates)
 - 2.2.1 Uses of Thermoplastics in Medical Applications
 - 2.2.2 Main Suppliers of Thermoplastics for Medical Applications
- 2.3 Polyethylene (PE)

- 2.3.1 Uses of PE in Medical Applications
- 2.3.2 Main Suppliers of PE for Medical Applications
- 2.4 Polystyrene
 - 2.4.1 Uses of Polystyrene and Styrenics in Medical Applications
 - 2.4.2 Main Suppliers of PS for Medical Applications
- 2.5 Polyvinyl Chloride
 - 2.5.1 Uses of PVC in Medical Applications
 - 2.5.2 Main Suppliers of PVC for Medical Applications
- 2.6 Nylon
 - 2.6.1 Uses of Nylon in Medical Applications
 - 2.6.2 Main Suppliers of Nylon for Medical Applications
- 2.7 Other Polymers for Medical Applications
- 2.8 Role of Bioplastics in Medical Applications
- 2.9 Key Points from this Chapter

CHAPTER THREE: APPLICATIONS FOR MEDICAL POLYMERS

- 3.1 Pricing and Forecast Assumptions
 - 3.1.1 Explanation of Polymer Pricing
 - 3.1.2 Use of Medical Polymers in Different Applications
- 3.2 Medical Devices and Implants
 - 3.2.1 Current and Future Use of Polymers
 - 3.2.2 Regenerative Medicine and Orthopedic Implants
 - 3.2.3 Contact Lenses and Lens Implants
 - 3.2.4 Implantable Defibrillators and Related Devices
 - 3.2.5 Breast Implants
 - 3.2.6 Conductive Polymer Neural Implants
 - 3.2.7 Blood Filters
 - 3.2.8 Other Medical Devices Using Polymers
- 3.3 Eight-Year Forecast of Polymers in Implants by Polymer and Implant Type
- 3.4 Eight-Year Forecast of Polymers in Non-Implantable Devices by Polymer and Device Type
 - 3.4.1 Diagnostic Systems
- 3.5 Eight-Year Forecast of Polymers in Diagnostic Systems by Polymer and Device Type
 - 3.5.1 Laboratory and Surgical Accessories and Disposables
 - 3.5.2 Surgical Screws, Nails and Plates
 - 3.5.3 Catheters and Tubing
 - 3.5.4 Surgical Gloves

- 3.5.5 Sutures and Shunts
- 3.6 Eight-Year Forecast of Polymers in Diagnostic Systems by Polymer and Device Type
- 3.7 Summary of Forecasts of Medical Polymers
 - 3.7.1 Summary Forecast of Medical Polymers by Application
- 3.8 Summary Forecast of Medical Polymers by Polymer Type
- 3.9 Key Points in this Chapter

CHAPTER FOUR: NATIONAL MARKETS AND REGULATORY FACTORS

- 4.1 Generic Policy Issues Raised by Polymer Medical Devices
 - 4.1.1 Safety Issues Related to Polymer Devices
 - 4.1.2 Problems of Waste Disposal and Management in Medical Polymer Manufacturing
 - 4.1.3 Healthcare Issues and an Aging Population
 - 4.1.4 Geographical Distribution of the Markets
- 4.2 The Medical Polymer Market in the United States
 - 4.2.1 Medical Polymers and the Biomaterials Access Assurance Act of 1998
 - 4.2.2 Impact of “Obamacare”
 - 4.2.3 Role and Impact of the FDA
 - 4.2.4 Analysis of the Market for Medical Polymers in the U.S.
 - 4.2.5 Eight-Year Forecasts for Medical Polymers in the U.S.
- 4.3 The Medical Polymer Market in Europe
 - 4.3.1 Role and Impact of the European Commission and Other Regulatory Authorities in the European Union
 - 4.3.2 National Regulations and Regulatory Agencies Impacting Medical Polymer Markets in the EU
 - 4.3.3 Analysis of the Market for Medical Polymers in Europe
 - 4.3.4 Eight-Year Forecast for Medical Polymers in Europe
- 4.4 The Medical Polymer Market in Japan
 - 4.4.1 National Laws and Regulations Impacting the Medical Polymer Market in Japan
 - 4.4.2 Analysis of Market for Medical Polymers in Japan
 - 4.4.3 Eight-Year Forecast for Medical Polymers in Japan
- 4.5 The Medical Polymer Market in China
 - 4.5.1 National Laws and Regulations Impacting the Medical Polymer Market in China
 - 4.5.2 Impact of Chinese Industrial Policy on the Medical Polymer Market
 - 4.5.3 Analysis of the Market for Medical Polymers in China
 - 4.5.4 Eight-Year Forecast for Medical Polymers in China
- 4.6 The Medical Polymer Market in India

- 4.6.1 National Laws and Regulations Impacting the Medical Polymer Market in India
- 4.6.2 Analysis of the Market for Medical Polymers in India
- 4.6.3 Eight-Year Forecast for Medical Polymers in India
- 4.7 Other Notable National Markets for Medical Polymers
 - 4.7.1 The Medical Polymer Market in Canada
 - 4.7.2 The Medical Polymer Market in Australia
 - 4.7.3 The Medical Polymer Market in South Korea
- 4.8 Summary of Eight-Year Forecasts of Medical Polymers by Country
- Acronyms and Abbreviations Used In this Report
- About the Author

List Of Exhibits

LIST OF EXHIBITS

Exhibit E-1: Summary Forecast of Medical Polymers by Application (US\$ Millions)

Exhibit 2-1: Important Advantages of Polymers and Their Current Applications

Exhibit 2-2: Thermoplastics - Properties and Uses

Exhibit 2-3: Common Suppliers of Thermoplastics

Exhibit 2-4: Opportunities for Different PE Grades

Exhibit 2-5: Different Suppliers of Polyethylene Products and their Features

Exhibit 2-6: Requirements and Medical Applications for Various Types of PS

Exhibit 2-7: Suppliers Of GPPS, HIPS, and SPS Products for Medical Applications and their Trade Names

Exhibit 2-8: Suppliers and Characteristics of Flexible, Rigid and Semi-rigid Medical Grades of PVC

Exhibit 2-9: Nylon Products and Manufacturers

Exhibit 2-10: Medical Devices and Implants Made from Polyurethanes

Exhibit 2-11: Leading Teflon products, Their Manufacturers, and Application Areas

Exhibit 3-1: Pricing of Polymers and Polymer-Based Medical Products

Exhibit 3-2: Approximate Market Share of Different Polymer Types in Each Application

Exhibit 3-3: Selected Polymeric Orthopedic Products, their Manufacturers and Opportunities

Exhibit 3-4: Approved Breast Implants and their Market Opportunities

Exhibit 3-5: Overview of Important Blood Filters

Exhibit 3-6: Overview of Selected Wound Dressing Materials

Exhibit 3-7: Orthopedic Implants and Regenerative Medicines Forecast

Exhibit 3-8: Forecast of Polymer Use In Lens Implants

Exhibit 3-9: Forecast of Polymer Use in Contact Lenses

Exhibit 3-10: Forecast of Polymer Use in Implantable Defibrillators

Exhibit 3-11: Forecast of Polymer Use In Breast Implants

Exhibit 3-12: Forecast of Conductive Polymer Use In Neural Implants

Exhibit 3-13: Forecast of Polymer Use In Blood Filters

Exhibit 3-14: Forecast of Polymer Use In Other Medical Devices

Exhibit 3-15: Polymers Used in Diagnostic Devices and Their Future Opportunities

Exhibit 3-16: Forecast of Polymer Use In Diagnostic Devices

Exhibit 3-17: Forecast of Polymer Use In Automated Analyzers

Exhibit 3-18: Forecast of Polymer Use In Homecare Diagnostic Devices

Exhibit 3-19: Forecast of Polymer Use In Point-of-Care (POC) Diagnostics

Exhibit 3-20: Overview of Important Polymers for Multiple-Use and Disposable Labware

Fabrication

Exhibit 3-21: Leading Labware Manufacturers and Their Brands and Market Potential

Exhibit 3-22: Selected Catheter and Tubing Products

Exhibit 3-23: Surgical Gloves and Their Specifications

Exhibit 3-24: Forecast of Polymer Use In Surgical Screws, Nails and Plates

Exhibit 3-25: Forecast of Polymer Use In Catheters and Tubing

Exhibit 3-26: Forecast of Polymer Use In Surgical Gloves

Exhibit 3-27: Forecast of Polymer Use In Sutures and Shunts

Exhibit 3-28: Summary Forecast of Medical Polymers by Application (US \$Millions)

Exhibit 3-29: Summary Forecast by Top Polymer Types (U.S.\$ Millions)

Exhibit 4-1: Key Industry Issues, Their Impacts, and Probable Solutions

Exhibit 4-2: Important U.S. Regulations Affecting Medical Polymers

Exhibit 4-3: Key Players in the U.S. Medical Polymer Industry Responding to Major Trends

Exhibit 4-4: Eight-Year Forecast of Medical Polymers in the U.S. (US\$ Millions)

Exhibit 4-5: Key EC Regulations and Their Significance

Exhibit 4-6: Recent Technology Developments in Europe

Exhibit 4-7: Eight-Year Forecast for Medical Polymers in Europe (US\$ Millions)

Exhibit 4-8: Important Regulations in Japan and Their Impact on the Medical Polymers Market

Exhibit 4-9: Recent Technology Developments in Japan

Exhibit 4-10: Eight-Year Forecast for Medical Polymers in Japan (US \$Millions)

Exhibit 4-11: Key Impacts of CFDA Policies and Opportunities for Policy Improvement in China

Exhibit 4-12: Recent Technology Developments in China

Exhibit 4-13: Eight-Year Forecast for Medical Polymers in China (US \$Millions)

Exhibit 4-14: Key Regulatory Impacts and Opportunities for Policy Improvement in India

Exhibit 4-15: Recent Technology Developments in India

Exhibit 4-16: Eight-Year Forecast for Medical Polymers in India (US \$Millions)

Exhibit 4-17: Regulatory Scenario and Industry Opportunities in Other Markets

Exhibit 4-18: Global Eight-Year Forecast for Medical Polymers Broken Out by Country/Region

I would like to order

Product name: Worldwide Medical Polymer Markets: 2013-2020

Product link: <https://marketpublishers.com/r/W012D9211DBEN.html>

Price: US\$ 1,995.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/W012D9211DBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970