

# **Smart Polymers - Global Market Outlook (2017-2023)**

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# **Abstracts**

According to Stratistics MRC, the Global Smart Polymers market is expected to grow from \$1.52 billion in 2016 to reach \$3.98 billion by 2023 with a CAGR of 14.7%. Application of shape memory polymer in automotive industry, requirement of efficient technologies over existing ones, beneficial property of phase transition and the usage of smart polymers for controlled drug delivery are the crucial factors that fuel the growth of the market. On the contrary, high cost associated with the use of smart polymers and changes over in the industry of healthcare are the key factors to hamper the growth of the market in the forthcoming years.

Among the Polymer types, the shape memory polymers segment hold the highest share in the market, because of the broad range of applications like inexpensive, reusable custom molds, deployable components and dynamic configurable parts. North America led the global market with largest share. It is likely to remain in the leading position throughout the forecast period due to technological advancements. Asia-Pacific is expected to witness the fastest-growth as a result of the rapid industrialization of the main product end-users primarily automotive, textile, and electrical & electronics sector.

Some of the key players in global Smart Polymers Market include The Dow Chemical Company

Sigma-Aldrich Corporation, SABIC, Nissan Chemical Industries Ltd., Nippon Shokubai, Nexgenia Corporation, Natureworks LLC, MacDermid Autotype Ltd., Lubrizol Corporation, Huntsman International LLC, High Impact Technology, FMC Corporation, DuPont, Covestro AG, BASF SE, Autonomic Materials, Akzo Nobel, Advanced Polymer Materials Inc, Advanced Biopolymers AS, Acros Organics.

Applications Covered:



Bio Medical & Technology

Tissue Engineering
Drug Delivery
Bio-Separation
Biocatalyst
Electrical & Electronics
Nuclear Energy
Waste Management
Radiation Detection
Textile
Automotive
Packaging
Optical Data Storage
Medical Devices
Other Applications
Stimulus Types Covered: Biological Stimuli-Responsive
Physical Stimuli-Responsive
Chemical Stimuli-Responsive
Other Stimulus Types Technologies Covered:



# Collaborative Traditional Polymer Types Covered: Thermo-Responsive Polymers **Enzymes-Responsive Polymers** pH-Responsive Polymers **Shape Memory Polymers** Self-Healing Polymers Photo-Responsive Polymers Electroactive & Magnetically-Responsive Polymers Other Polymer Types Regions Covered: North America US Canada Mexico Europe Germany France

Italy

UK

Spain



Rest of Europe
Asia Pacific
Japan
China
India
Australia
New Zealand
Rest of Asia Pacific
South America
Middle East
Brazil
Argentina
South Africa
Egypt
Middle East & Africa
Saudi Arabia
UAE
Qatar
South Africa



# Rest of Middle East What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 6 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements



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