

Smart Polymers Market Analysis: A Comprehensive Overview of Trends and Opportunities

Smart Polymers Market is Expected to Reach \$9.9 Billion by 2027 | CAGR: 12.1%: AMR

PORTLAND, OR, UNITED STATES,
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EINPresswire.com/ -- According to the report published by Allied Market Research, the global [smart polymers market](#) garnered \$4.0 billion in 2019, and is estimated to generate \$9.9 billion by 2027, witnessing a CAGR of 12.1% from 2020 to 2027. The report provides an extensive analysis of changing market trends, top winning strategies, key segments, Porter's Five Forces, and business performance of key market players.



Utilization in the automotive industry, surge in need for efficient drug delivery system, and its characteristics of providing reversible phase transitions drive the growth of the global smart polymers market. However, high cost associated with smart polymers hinders the market growth. On the other hand, wide array of applications in the biomedical field such as tissue engineering scaffolds, delivery systems of therapeutic agents, cell culture supports, and sensors or actuators systems present new opportunities in the coming years.

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Smart Polymers, also known as stimuli-responsive polymers, are advanced materials capable of altering their physical or chemical properties in response to external stimuli.”

David Correa

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The report offers a detailed segmentation of the global smart polymers market based on type,

stimulus, application, and region.

Based on type, the shape memory polymers segment contributed to the highest market share in 2019, accounting for more than two-fifths of the total market share, and is projected to maintain its lead during the forecast period. Moreover, the self-healing polymers segment is projected to register the highest CAGR of 13.1% from 2020 to 2027.

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Based on stimulus, the physical stimuli responsive segment held nearly half of the global smart polymers market share in 2019, is expected to maintain its dominant position throughout the forecast period. However, the chemical stimuli responsive segment is expected to portray the largest CAGR of 12.7% during the forecast period.

Based on region, North America accounted for the highest share of the global market, holding nearly one-third of the total share in 2019, and will maintain its leadership status during the forecast period. However, Asia-Pacific is projected to witness the fastest CAGR of 13.3% from 2020 to 2027.

Leading players of the global smart polymers market include BASF SE, SABIC, Covestro AG, Nouryon, Solvay SA, Evonik Industries AG, Autonomic Materials, Inc., Merck KGaA, Berkshire Hathaway, Inc., and Medshape, Inc.

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