

Global Performance Elastomer Market Size study, by Type (Nitrile-based Elastomers, Silicone Elastomers, Fluoroelastomers, Others), by End-Use Industry (Automotive and Transportation, Healthcare, Industrial Machinery, Building and Construction, Electrical and Electronics, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Performance Elastomer Market is valued approximately at USD 18.19 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 7.29% over the forecast period 2024-2032. Performance elastomers are a unique class of polymers characterized by their remarkable flexibility and resilience, allowing them to revert to their original shape upon the removal of deforming forces. These elastomers are composed of long chains of atoms, primarily hydrogen, oxygen, and carbon, and are extensively used in various industries due to their superior properties such as resistance to heat, weathering, and chemicals. Furthermore, ongoing advancements in the development of high-performance elastomers and the increasing adoption of these materials in various industries present significant growth opportunities during the forecast period 2024-2032.

The increasing production of vehicles in both developed and developing countries is a major driver for the performance elastomer market. As per the International Organization of Motor Vehicle Manufacturers, global vehicle production increased from 77 million units in 2020 to 80 million units in 2021, significantly boosting the demand for performance elastomers in automotive components. The superior characteristics of performance elastomers, including their resistance to aging and their durability and flexibility, are anticipated to drive market growth during the forecast period. However, the high production costs associated with performance elastomers, particularly silicone

elastomers, pose a significant challenge. The cost of raw materials, energy-intensive production processes, and environmental concerns regarding non-biodegradable fluoroelastomers could hinder market growth.

The key regions in the Global Performance Elastomers Market include North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. In 2023, Asia-Pacific dominates the global performance elastomers market, and is projected to grow at a fastest rate during the forecast period. The region's growth is driven by increasing demand from the automotive and construction industries, supported by consistent GDP growth, urbanization, and industrialization. The region's burgeoning economies, such as China, India, and Southeast Asian countries, drive substantial demand for performance elastomers in diverse sectors including automotive, construction, electronics, and consumer goods. Favorable government policies supporting industrial growth, coupled with increasing investments in advanced manufacturing technologies, further boost the market. Additionally, the presence of key elastomer producers and a growing focus on sustainability and innovation in materials contribute to Asia-Pacific's significant influence over the global performance elastomers market.

Major market players included in this report are:

3M Company

BASF SE

Daikin Industries Ltd.

Dow

DuPont de Nemours, Inc.

Exxon Mobil Corporation

Mitsui Chemicals Inc.

Solvay S.A.

Wacker Chemie AG

Zeon Chemicals L.P.

Arlanxeo

Momentive

Tosoh Corporation

Avient Corporation

Denka Performance Elastomer

The detailed segments and sub-segment of the market are explained below:

By Type

Nitrile-based Elastomers

Silicone Elastomers

Fluoroelastomers

Others

By End-Use Industry

Automotive and Transportation

Healthcare

Industrial Machinery

Building and Construction

Electrical and Electronics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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