

## **Silicone Elastomers Market Report and Forecast 2025-2034**

Market Report | 2025-08-11 | 166 pages | EMR Inc.

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### **Report description:**

The global silicone elastomers market size attained a value of approximately USD 10.20 Billion in 2024. The market is further expected to grow at a CAGR of 7.30% in the forecast period of 2025-2034, reaching a value of around USD 20.63 Billion by 2034.

Rapid industrialisation and surging consumer interest in consumer electronics and other electrical products are key drivers of the global silicone elastomers market. Silicone elastomers are extensively used for electrical insulation as they have high dielectric strength and are resistant to high temperatures. Apart from the interiors of electronic devices, silicone elastomers are also utilised in lighting of various types, including lamps, street lighting, industrial lamps., signage, automotive lamps, and healthcare headlamps. The growing usage of high efficiency electrical and electronics products are increasing the demand for silicone elastomers, thereby contributing to the growth of the market. In the coming years, product development of specialised silicone elastomers is anticipated to offer lucrative opportunities to the market for silicone elastomers.

### **Diverse Applications of High Temperature Vulcanise (HTV) Silicone Elastomers Bolstering the Market**

The high temperature vulcanise (HTV) segment, based on product, accounts for a significant share of the market for silicone elastomers. HTV silicone rubber is used in a diverse range of applications such as automotive and aerospace, electrical engineering, construction, and consumer goods, among others. This is due to the favourable properties of HTV silicone elastomers including high strength of siloxane bond, electrical conductivity, radiation resistance, steam resistance, flame retardance, oil resistance, and great resistance to extremely high temperatures.

### **Global Silicone Elastomers Market Share by Region**

The Asia Pacific occupies a significant share of the global market for silicone elastomers, driven by the steady economic growth in countries like Indonesia, India, and China, among others, coupled with the thriving manufacturing sector in these countries. For instance, China manufactures a range of economical consumer goods and utility items. Hence, the growing use of silicone rubber by manufacturers in China, owing to the high strength and temperature resistance offered by the material, is likely to augment

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the silicone elastomers market revenue.

### Silicone Elastomers: Market Segmentation

Silicone elastomer, also known as silicone rubber, is defined as a polymer of silicone formed by the crosslinking and treatment of amorphous silica to bolster its strength. It is a synthetic rubber found in many forms such as solids, closed cell sponges, and open cell forms, among others.

Based on product, the market is segmented into:

- High Temperature Vulcanise (HTV)
- Room Temperature Vulcanise (RTV)
- Liquid Silicone Rubber (LSR)

The silicone elastomers market segmentation, based on application is:

- Electrical and Electronics
- Automotive and Transportation
- Industrial Machinery
- Consumer Goods
- Construction
- Healthcare and Medical Devices
- Others

### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

### Rising Applications in the Construction Industry to Boost the Silicone Elastomers Market Growth

Rising applications of silicone elastomers in the construction industry is driving the market growth. Silicone elastomers offer high and low temperature stability, are easy to colour, chemically resistant, and carry electrical properties. Hence, the growing construction activities across the globe are expected to favour the overall market for silicone elastomers in the forecast period. Moreover, silicone rubber is a crucial component in the manufacturing of medical devices and equipment. Therefore, the thriving healthcare and medical equipment sector in emerging economies is expected to provide further impetus to the market for silicone elastomers.

### Key Players in the Global Silicone Elastomers Market

The report gives a detailed analysis of the following key players in the global silicone elastomers market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

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- The Dow Chemical Company
- Momentive Performance Materials Inc.
- MESGO S.p.A.
- Shin-Etsu Chemical Co., Ltd.
- Reiss Manufacturing, Inc.
- Wacker Chemie AG
- Elkem ASA
- China National Bluestar (Group) Co.,Ltd.
- CHT Germany GmbH
- Specialty Silicone Products, Inc
- KCC Silicone Corporation
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

### **Table of Contents:**

- 1 Executive Summary
  - 1.1 Market Size 2024-2025
  - 1.2 Market Growth 2025(F)-2034(F)
  - 1.3 Key Demand Drivers
  - 1.4 Key Players and Competitive Structure
  - 1.5 Industry Best Practices
  - 1.6 Recent Trends and Developments
  - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
  - 2.1 Market Trends
  - 2.2 Key Verticals
  - 2.3 Key Regions
  - 2.4 Supplier Power
  - 2.5 Buyer Power
  - 2.6 Key Market Opportunities and Risks
  - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary

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- 3.1 GDP Outlook
- 3.2 GDP Per Capita Growth
- 3.3 Inflation Trends
- 3.4 Democracy Index
- 3.5 Gross Public Debt Ratios
- 3.6 Balance of Payment (BoP) Position
- 3.7 Population Outlook
- 3.8 Urbanisation Trends
- 4 Country Risk Profiles
  - 4.1 Country Risk
  - 4.2 Business Climate
- 5 Global Silicone Elastomers Market Analysis
  - 5.1 Key Industry Highlights
  - 5.2 Global Silicone Elastomers Historical Market (2018-2024)
  - 5.3 Global Silicone Elastomers Market Forecast (2025-2034)
  - 5.4 Global Silicone Elastomers Market by Product
    - 5.4.1 High Temperature Vulcanise (HTV)
      - 5.4.1.1 Historical Trend (2018-2024)
      - 5.4.1.2 Forecast Trend (2025-2034)
    - 5.4.2 Room Temperature Vulcanise (RTV)
      - 5.4.2.1 Historical Trend (2018-2024)
      - 5.4.2.2 Forecast Trend (2025-2034)
    - 5.4.3 Liquid Silicone Rubber (LSR)
      - 5.4.3.1 Historical Trend (2018-2024)
      - 5.4.3.2 Forecast Trend (2025-2034)
  - 5.5 Global Silicone Elastomers Market by Application
    - 5.5.1 Electrical and Electronics
      - 5.5.1.1 Historical Trend (2018-2024)
      - 5.5.1.2 Forecast Trend (2025-2034)
    - 5.5.2 Automotive and Transportation
      - 5.5.2.1 Historical Trend (2018-2024)
      - 5.5.2.2 Forecast Trend (2025-2034)
    - 5.5.3 Industrial Machinery
      - 5.5.3.1 Historical Trend (2018-2024)
      - 5.5.3.2 Forecast Trend (2025-2034)
    - 5.5.4 Consumer Goods
      - 5.5.4.1 Historical Trend (2018-2024)
      - 5.5.4.2 Forecast Trend (2025-2034)
    - 5.5.5 Construction
      - 5.5.5.1 Historical Trend (2018-2024)
      - 5.5.5.2 Forecast Trend (2025-2034)
    - 5.5.6 Healthcare and Medical Devices
      - 5.5.6.1 Historical Trend (2018-2024)
      - 5.5.6.2 Forecast Trend (2025-2034)
    - 5.5.7 Others
  - 5.6 Global Silicone Elastomers Market by Region
    - 5.6.1 North America

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- 5.6.1.1 Historical Trend (2018-2024)
- 5.6.1.2 Forecast Trend (2025-2034)
- 5.6.2 Europe
  - 5.6.2.1 Historical Trend (2018-2024)
  - 5.6.2.2 Forecast Trend (2025-2034)
- 5.6.3 Asia Pacific
  - 5.6.3.1 Historical Trend (2018-2024)
  - 5.6.3.2 Forecast Trend (2025-2034)
- 5.6.4 Latin America
  - 5.6.4.1 Historical Trend (2018-2024)
  - 5.6.4.2 Forecast Trend (2025-2034)
- 5.6.5 Middle East and Africa
  - 5.6.5.1 Historical Trend (2018-2024)
  - 5.6.5.2 Forecast Trend (2025-2034)
- 6 North America Silicone Elastomers Market Analysis
  - 6.1 United States of America
    - 6.1.1 Historical Trend (2018-2024)
    - 6.1.2 Forecast Trend (2025-2034)
  - 6.2 Canada
    - 6.2.1 Historical Trend (2018-2024)
    - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Silicone Elastomers Market Analysis
  - 7.1 United Kingdom
    - 7.1.1 Historical Trend (2018-2024)
    - 7.1.2 Forecast Trend (2025-2034)
  - 7.2 Germany
    - 7.2.1 Historical Trend (2018-2024)
    - 7.2.2 Forecast Trend (2025-2034)
  - 7.3 France
    - 7.3.1 Historical Trend (2018-2024)
    - 7.3.2 Forecast Trend (2025-2034)
  - 7.4 Italy
    - 7.4.1 Historical Trend (2018-2024)
    - 7.4.2 Forecast Trend (2025-2034)
  - 7.5 Others
- 8 Asia Pacific Silicone Elastomers Market Analysis
  - 8.1 China
    - 8.1.1 Historical Trend (2018-2024)
    - 8.1.2 Forecast Trend (2025-2034)
  - 8.2 Japan
    - 8.2.1 Historical Trend (2018-2024)
    - 8.2.2 Forecast Trend (2025-2034)
  - 8.3 India
    - 8.3.1 Historical Trend (2018-2024)
    - 8.3.2 Forecast Trend (2025-2034)
  - 8.4 ASEAN
    - 8.4.1 Historical Trend (2018-2024)

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- 8.4.2 Forecast Trend (2025-2034)
- 8.5 Australia
  - 8.5.1 Historical Trend (2018-2024)
  - 8.5.2 Forecast Trend (2025-2034)
- 8.6 Others
- 9 Latin America Silicone Elastomers Market Analysis
  - 9.1 Brazil
    - 9.1.1 Historical Trend (2018-2024)
    - 9.1.2 Forecast Trend (2025-2034)
  - 9.2 Argentina
    - 9.2.1 Historical Trend (2018-2024)
    - 9.2.2 Forecast Trend (2025-2034)
  - 9.3 Mexico
    - 9.3.1 Historical Trend (2018-2024)
    - 9.3.2 Forecast Trend (2025-2034)
  - 9.4 Others
- 10 Middle East and Africa Silicone Elastomers Market Analysis
  - 10.1 Saudi Arabia
    - 10.1.1 Historical Trend (2018-2024)
    - 10.1.2 Forecast Trend (2025-2034)
  - 10.2 United Arab Emirates
    - 10.2.1 Historical Trend (2018-2024)
    - 10.2.2 Forecast Trend (2025-2034)
  - 10.3 Nigeria
    - 10.3.1 Historical Trend (2018-2024)
    - 10.3.2 Forecast Trend (2025-2034)
  - 10.4 South Africa
    - 10.4.1 Historical Trend (2018-2024)
    - 10.4.2 Forecast Trend (2025-2034)
  - 10.5 Others
- 11 Market Dynamics
  - 11.1 SWOT Analysis
    - 11.1.1 Strengths
    - 11.1.2 Weaknesses
    - 11.1.3 Opportunities
    - 11.1.4 Threats
  - 11.2 Porter's Five Forces Analysis
    - 11.2.1 Supplier's Power
    - 11.2.2 Buyer's Power
    - 11.2.3 Threat of New Entrants
    - 11.2.4 Degree of Rivalry
    - 11.2.5 Threat of Substitutes
  - 11.3 Key Indicators for Demand
  - 11.4 Key Indicators for Price
- 12 Value Chain Analysis
- 13 Competitive Landscape
  - 13.1 Supplier Selection

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- 13.2 Key Global Players
- 13.3 Key Regional Players
- 13.4 Key Player Strategies
- 13.5 Company Profiles
  - 13.5.1 The Dow Chemical Company
    - 13.5.1.1 Company Overview
    - 13.5.1.2 Product Portfolio
    - 13.5.1.3 Demographic Reach and Achievements
    - 13.5.1.4 Certifications
  - 13.5.2 Momentive Performance Materials Inc.
    - 13.5.2.1 Company Overview
    - 13.5.2.2 Product Portfolio
    - 13.5.2.3 Demographic Reach and Achievements
    - 13.5.2.4 Certifications
  - 13.5.3 MESGO S.p.A.
    - 13.5.3.1 Company Overview
    - 13.5.3.2 Product Portfolio
    - 13.5.3.3 Demographic Reach and Achievements
    - 13.5.3.4 Certifications
  - 13.5.4 Shin-Etsu Chemical Co., Ltd.
    - 13.5.4.1 Company Overview
    - 13.5.4.2 Product Portfolio
    - 13.5.4.3 Demographic Reach and Achievements
    - 13.5.4.4 Certifications
  - 13.5.5 Reiss Manufacturing, Inc.
    - 13.5.5.1 Company Overview
    - 13.5.5.2 Product Portfolio
    - 13.5.5.3 Demographic Reach and Achievements
    - 13.5.5.4 Certifications
  - 13.5.6 Wacker Chemie AG
    - 13.5.6.1 Company Overview
    - 13.5.6.2 Product Portfolio
    - 13.5.6.3 Demographic Reach and Achievements
    - 13.5.6.4 Certifications
  - 13.5.7 Elkem ASA
    - 13.5.7.1 Company Overview
    - 13.5.7.2 Product Portfolio
    - 13.5.7.3 Demographic Reach and Achievements
    - 13.5.7.4 Certifications
  - 13.5.8 China National Bluestar (Group) Co.,Ltd.
    - 13.5.8.1 Company Overview
    - 13.5.8.2 Product Portfolio
    - 13.5.8.3 Demographic Reach and Achievements
    - 13.5.8.4 Certifications
  - 13.5.9 CHT Germany GmbH
    - 13.5.9.1 Company Overview
    - 13.5.9.2 Product Portfolio

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- 13.5.9.3 Demographic Reach and Achievements
- 13.5.9.4 Certifications
- 13.5.10 Specialty Silicone Products, Inc
  - 13.5.10.1 Company Overview
  - 13.5.10.2 Product Portfolio
  - 13.5.10.3 Demographic Reach and Achievements
  - 13.5.10.4 Certifications
- 13.5.11 KCC Silicone Corporation
  - 13.5.11.1 Company Overview
  - 13.5.11.2 Product Portfolio
  - 13.5.11.3 Demographic Reach and Achievements
  - 13.5.11.4 Certifications
- 13.5.12 Others

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