

# # Silicone Elastomers Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> **\*\*Industry:\*\*** Electronic Chemicals & Catalysts (Chemicals & Materials)  
> **\*\*Source:\*\*** [https://www.mordorintelligence.com/industry-reports/silicone-elastomer-market](https://www.mordorintelligence.com/industry-reports/silicone-elastomer-market)(https://www.mordorintelligence.com/industry-reports/silicone-elastomer-market)  
> **\*\*Scraped Date:\*\*** 2026-09-17

## ## Executive Market Summary

| Market Metric             | Details          |
|---------------------------|------------------|
| Base Market Size          | USD 9.10 billion |
| Projected Forecast (2031) | USD 9.10 billion |
| Growth Rate (CAGR)        | 7.51 %           |
| Largest Market Region     | N/A              |
| Fastest-Growing Region    | N/A              |

## ## Market Visualizations & Infographics

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## ## Comprehensive Research Analysis

### ### Overview Points List Flex 49 Share Feature End

Market OverviewStudy Period | 2021 - 2031 |  
Market Size (2026) | USD 9.10 Billion |  
Market Size (2031) | USD 13.06 Billion |  
Growth Rate (2026 - 2031) | 7.51 % |  
Fastest Growing Market | Asia Pacific |  
Largest Market | Asia Pacific |  
Market Concentration | Medium |  
Major Players\*Disclaimer: Major Players sorted in no particular order

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### ### Market Overview

Silicone Elastomers Market Analysis by Mordor IntelligenceThe Silicone Elastomers Market size was valued at USD 8.46 billion in 2025 and is estimated to grow from USD 9.10 billion in 2026 to reach USD 13.06 billion by 2031, at a CAGR of 7.51% during the forecast period (2026-2031). High-performance applications in electric vehicles, fifth-generation infrastructure, and medical devices are driving premium pricing for silicone grades, a position that thermoplastic elastomers struggle to challenge. Liquid silicone rubber, advanced thermal-management compoun

ds, and medical-grade formulations are seeing heightened demand. In Europe, regulatory pressures are pushing a shift towards linear siloxanes that meet restrictions under the Registration, Evaluation, Authorization, and Restriction of Chemicals framework. While this reformulation raises raw material costs, it benefits integrated producers with control over upstream metal-silicon and dimethyldichlorosilane capacity. Non-integrated converters face challenges due to feedstock volatility, influenced by methanol supply disruptions and the significant share of siloxane intermediates controlled by specific regions. Meanwhile, additive manufacturing technologies are paving the way for custom geometries and reduced development lead times. The Asia-Pacific region stands as the epicenter of the silicone elastomer market, buoyed by trends like electronics miniaturization, data-center growth, and capacity expansions from industry giants like Shin-Etsu, Wacker Chemie, and KCC. Concurrently, advantages in vertical integration, reformulation expertise, and access to low-carbon feedstocks are becoming pivotal in the competitive landscape.

**Key Report Takeaways\*** By product type, Liquid Silicone Rubber held 45.22% of the silicone elastomer market share in 2025 and is projected to expand at an 8.34% CAGR through 2026 to 2031.

\* By application, Automotive and Transportation commanded 31.13% share of the silicone elastomer market size in 2025 and is advancing at a 7.91% CAGR through 2026 to 2031.

\* By geography, Asia-Pacific accounted for 46.67% of the silicone elastomer market size in 2025 and is forecast to grow at an 8.11% CAGR through 2026 to 2031.

### ### Key Market Trends

**Market Trends and Insights**  
**Drivers Impact Analysis of Silicone Elastomers Market\***  
Driver | (~) % Impact on CAGR Forecast | Geographic Relevance | Impact Timeline

Electronics miniaturization and 5G thermal management | +1.8% | Asia-Pacific, North America | Medium term (2-4 years) |

Medical-grade LSR adoption in wearable healthcare | +1.2% | North America, Europe | Medium term (2-4 years) |

Construction sealants in net-zero buildings | +0.9% | Europe, North America, the Middle East | Long term ( $\geq 4$  years) |

Additive manufacturing of silicone parts | +0.7% | North America, Europe | Long term ( $\geq 4$  years) |

Antimicrobial and conductive LSR | +0.8% | Asia-Pacific, North America | Short term ( $\leq 2$  years) |

Source: Mordor Intelligence |

### ### Competitive Landscape

#### Competitive Landscape

The Silicone Elastomers Market is moderately concentrated. Dow is reducing its operations in Europe, while both Shin-Etsu and Wacker are expanding in the Asia-Pacific, highlighting their distinct regional strategies. Elkem divested its silicones unit to China National Bluestar, bolstering China's upstream dominance and eliminating a European competitor. Technology is a key differentiator: Wacker's SEMICOSIL 9649 TC, with high thermal conductivity, and Dow's DOWSIL TC-5550, with even greater thermal conductivity, are making inroads in the electric vehicle inverter and artificial intelligence server cooling markets. Regulatory certifications such as ISO 13485 and REACH Substances of Very High Concern heighten entry barriers, pushing smaller converters to specialize in niche areas such as antimicrobial, conductive, or additive-manufacturing grades.

**Silicone Elastomers Industry Leaders\*** Dow

\* Elkem ASA

\* Mumentive

\* Shin-Etsu Chemical Co., Ltd.

\* Wacker Chemie AG

\* \*Disclaimer: Major Players sorted in no particular order

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### ### Component Component 3 Scope Of The Report Bottom

Global Silicone Elastomers Market Report ScopeSilicone elastomers are versatile synthetic polymers derived from silicone, combining flexibility, durability, and resistance to extreme temperatures, chemicals, and UV radiation. They are formed through vulcanization processes, producing materials with rubber-like properties suitable for diverse applications. Widely used in electronics, automotive, healthcare, construction, and consumer goods, silicone elastomers provide excellent electrical insulation, biocompatibility, and long-term stability, making them essential in advanced industrial and everyday products.

The Global Silicone Elastomer Market is segmented by product, application, and geography. By Product, the market is segmented into high-temperature vulcanized (HTV), room-temperature vulcanized (RTV), and liquid silicone rubber (LSR). By Application, the market is segmented into electrical and electronics, automotive and transportation, industrial machinery, consumer goods, construction, and others. The report also covers the market size and forecasts for the Global Silicone Elastomer Market in 22 countries across major regions. The market sizes and forecasts are provided in terms of value (USD).

By ProductHigh-Temperature Vulcanised (HTV) |

Room-Temperature Vulcanised (RTV) |

Liquid Silicone Rubber (LSR) |

### ### Segmentation Accordion Item

By GeographyAsia-Pacific | China |

| India |

| Japan |

| South Korea |

| Australia |

| Indonesia |

| Thailand |

| Vietnam |

| Rest of Asia-Pacific |

North America | United States |

| Canada |

| Mexico |

Europe | Germany |

| United Kingdom |

| France |

| Italy |

| Spain |

| Russia |

| Rest of Europe |

South America | Brazil |

| Argentina |

| Rest of South America |

Middle-East and Africa | Saudi Arabia |

| United Arab Emirates |

| South Africa |

| Rest of Middle-East and Africa |

## ## Frequently Asked Questions

#### What is the current silicone elastomer market size and projected CAGR to 2031?

The silicone elastomer market size stands at USD 9.10 billion in 2026 and is forecast to reach USD 13.06 billion by 2031, registering a 7.51% CAGR.

#### Which product segment leads global consumption?

Liquid Silicone Rubber leads with a 45.22% share in 2025 and is projected to advance at an 8.34% CAGR through 2031.

#### Why is Asia-Pacific so dominant in consumption?

Asia-Pacific hosts concentrated electronics and automotive manufacturing, numerous capacity expansions, and supportive government programs, giving it 46.67% share in 2025 and the fastest regional CAGR at 8.11%.

#### How are REACH regulations affecting European demand?

REACH restrictions on cyclic siloxanes are pushing reformulation costs up 15-20% and favoring integrated suppliers, yet net-zero building and EV initiatives keep European demand positive.

#### What strategic moves are leading players making?

Firms such as Elkem are divesting to consolidate Chinese capacity, Shin-Etsu and Wacker are investing in Asia-Pacific lines, and DuPont is rolling out medical-grade LSR ranges to secure higher-margin niches.