

Global Liquid Silicone Rubber Market Size Study & Forecast, by Grade and Application, and Regional Forecasts 2025–2035

<https://marketpublishers.com/r/G7F9B9C8D6A7EN.html>

Date: July 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G7F9B9C8D6A7EN

Abstracts

The Global Liquid Silicone Rubber Market is valued at approximately USD 2.81 billion in 2024 and is projected to expand robustly at a CAGR of 8.50% during the forecast period from 2025 to 2035. Liquid Silicone Rubber (LSR), a versatile, high-purity thermoset elastomer, continues to gain ground across numerous sectors due to its superior biocompatibility, chemical resistance, and remarkable thermal stability. Originally developed to meet the rigorous standards of the healthcare and automotive sectors, LSR has evolved into a material of choice for precision-engineered components that demand durability and design flexibility. With rising consumer expectations and industry push for miniaturization, manufacturers are leveraging LSR's moldability and performance consistency in mass production applications ranging from baby care products to automotive gaskets and implant-grade medical devices.

The accelerating demand for lightweight, durable materials across sectors has fueled a profound uptake in LSR-based products. Technological progressions in injection molding systems and the surge in medical-grade LSR consumption—especially for wearable medical devices, prosthetics, and diagnostics—have solidified LSR's role in modern manufacturing. As per industry estimates, the automotive sector has become a crucial end-user, utilizing LSR for its vibration dampening and heat-resisting characteristics in turbochargers, ignition systems, and sensors. Additionally, consumer preference is leaning toward products that are hypoallergenic, non-toxic, and soft to the touch—creating lucrative growth avenues within the personal care, electronics, and kitchenware segments.

From a geographic standpoint, North America spearheaded the global market in 2025, powered by its entrenched healthcare infrastructure, flourishing automotive

manufacturing base, and high R&D expenditure. The U.S. remains the epicenter for innovation in medical-grade and food-grade LSR, facilitated by stringent FDA regulations and a strong regulatory framework favoring product reliability. Meanwhile, Asia Pacific is forecasted to be the fastest-growing region during the projection period, supported by rapid industrialization, booming consumer goods production, and rising automotive investments in China, India, and Southeast Asia. Europe, with its focus on sustainability and strict safety standards, also plays a vital role in LSR adoption across medical and food packaging applications.

Major market players included in this report are:

BASF SE

Dow Inc.

Wacker Chemie AG

Shin-Etsu Chemical Co., Ltd.

Momentive Performance Materials Inc.

Elkem ASA

KCC Corporation

Nusil Technology LLC

Reiss Manufacturing, Inc.

Simtec Silicone Parts LLC

Laur Silicone, Inc.

Stockwell Elastomerics, Inc.

Avantor, Inc.

Rogers Corporation

Zhejiang Xinan Chemical Industrial Group Co., Ltd.

Global Liquid Silicone Rubber Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

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

By Grade:

Medical

Food

Industrial

By Application:

Medical

Automotive

Consumer Goods

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

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.

Contents

CHAPTER 1. GLOBAL LIQUID SILICONE RUBBER MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top-Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL LIQUID SILICONE RUBBER MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global Liquid Silicone Rubber Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Rising demand for medical-grade LSR in diagnostic and wearable devices
 - 3.2.2. Surge in LSR use in automotive manufacturing due to thermal resistance
- 3.3. Restraints
 - 3.3.1. High manufacturing costs compared to traditional rubber alternatives
 - 3.3.2. Challenges in recycling and reprocessing of cured LSR
- 3.4. Opportunities
 - 3.4.1. Technological advancements in liquid injection molding systems
 - 3.4.2. Expansion in consumer goods and food-grade LSR applications

CHAPTER 4. GLOBAL LIQUID SILICONE RUBBER INDUSTRY ANALYSIS

- 4.1. Porter's Five Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's Five Forces Forecast Model (2024–2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024–2025)
- 4.7. Global Pricing Analysis and Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL LIQUID SILICONE RUBBER MARKET SIZE & FORECASTS BY GRADE 2025–2035

- 5.1. Market Overview
- 5.2. Global Liquid Silicone Rubber Market Performance – Potential Analysis (2025)
- 5.3. Medical
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.3.2. Market Size Analysis, by Region, 2025–2035
- 5.4. Food
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.4.2. Market Size Analysis, by Region, 2025–2035
- 5.5. Industrial
 - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.5.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 6. GLOBAL LIQUID SILICONE RUBBER MARKET SIZE & FORECASTS BY APPLICATION 2025–2035

- 6.1. Market Overview
- 6.2. Global Liquid Silicone Rubber Market Performance – Potential Analysis (2025)
- 6.3. Medical
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.3.2. Market Size Analysis, by Region, 2025–2035
- 6.4. Automotive
 - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.4.2. Market Size Analysis, by Region, 2025–2035
- 6.5. Consumer Goods
 - 6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.5.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 7. GLOBAL LIQUID SILICONE RUBBER MARKET SIZE & FORECASTS BY REGION 2025–2035

- 7.1. Global Liquid Silicone Rubber Market, Regional Snapshot
- 7.2. Top Leading & Emerging Countries
- 7.3. North America Liquid Silicone Rubber Market
 - 7.3.1. U.S.
 - 7.3.1.1. Grade Breakdown Size & Forecasts, 2025–2035
 - 7.3.1.2. Application Breakdown Size & Forecasts, 2025–2035
 - 7.3.2. Canada
 - 7.3.2.1. Grade Breakdown Size & Forecasts, 2025–2035
 - 7.3.2.2. Application Breakdown Size & Forecasts, 2025–2035
- 7.4. Europe Liquid Silicone Rubber Market
 - 7.4.1. UK
 - 7.4.1.1. Grade Breakdown Size & Forecasts, 2025–2035
 - 7.4.1.2. Application Breakdown Size & Forecasts, 2025–2035
 - 7.4.2. Germany
 - 7.4.3. France
 - 7.4.4. Spain
 - 7.4.5. Italy
 - 7.4.6. Rest of Europe
- 7.5. Asia Pacific Liquid Silicone Rubber Market
 - 7.5.1. China
 - 7.5.2. India
 - 7.5.3. Japan
 - 7.5.4. Australia

- 7.5.5. South Korea
- 7.5.6. Rest of Asia Pacific
- 7.6. Latin America Liquid Silicone Rubber Market
 - 7.6.1. Brazil
 - 7.6.2. Mexico
- 7.7. Middle East and Africa Liquid Silicone Rubber Market
 - 7.7.1. UAE
 - 7.7.2. Saudi Arabia
 - 7.7.3. South Africa
 - 7.7.4. Rest of Middle East & Africa

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Wacker Chemie AG
 - Company Overview
 - Key Executives
 - Company Snapshot
 - Financial Performance (Subject to Data Availability)
 - Product/Services Port
 - Recent Development
 - Market Strategies
 - SWOT Analysis
- 8.3. Shin-Etsu Chemical Co., Ltd.
- 8.4. BASF SE
- 8.5. Dow Inc.
- 8.6. Momentive Performance Materials Inc.
- 8.7. Elkem ASA
- 8.8. Nusil Technology LLC
- 8.9. Rogers Corporation
- 8.10. Reiss Manufacturing, Inc.
- 8.11. Simtec Silicone Parts LLC
- 8.12. KCC Corporation
- 8.13. Avantor, Inc.
- 8.14. Laur Silicone, Inc.
- 8.15. Stockwell Elastomerics, Inc.
- 8.16. Zhejiang Xinan Chemical Industrial Group Co., Ltd.

List Of Tables

LIST OF TABLES

- Table 1. Global Liquid Silicone Rubber Market, Report Scope
- Table 2. Global Liquid Silicone Rubber Market Estimates & Forecasts By Region 2024–2035
- Table 3. Global Liquid Silicone Rubber Market Estimates & Forecasts By Grade 2024–2035
- Table 4. Global Liquid Silicone Rubber Market Estimates & Forecasts By Application 2024–2035
- Table 5. U.S. Market Estimates & Forecasts, 2024–2035
- Table 6. Canada Market Estimates & Forecasts, 2024–2035
- Table 7. UK Market Estimates & Forecasts, 2024–2035
- Table 8. Germany Market Estimates & Forecasts, 2024–2035
- Table 9. France Market Estimates & Forecasts, 2024–2035
- Table 10. Spain Market Estimates & Forecasts, 2024–2035
- Table 11. Italy Market Estimates & Forecasts, 2024–2035
- Table 12. Rest of Europe Market Estimates & Forecasts, 2024–2035
- Table 13. China Market Estimates & Forecasts, 2024–2035
- Table 14. India Market Estimates & Forecasts, 2024–2035
- Table 15. Japan Market Estimates & Forecasts, 2024–2035
- Table 16. Australia Market Estimates & Forecasts, 2024–2035
- Table 17. South Korea Market Estimates & Forecasts, 2024–2035
- Table 18. Rest of Asia Pacific Market Estimates & Forecasts, 2024–2035
- Table 19. Brazil Market Estimates & Forecasts, 2024–2035
- Table 20. Mexico Market Estimates & Forecasts, 2024–2035
- Table 21. UAE Market Estimates & Forecasts, 2024–2035
- Table 22. Saudi Arabia Market Estimates & Forecasts, 2024–2035
- Table 23. South Africa Market Estimates & Forecasts, 2024–2035
- Table 24. Rest of Middle East & Africa Market Estimates & Forecasts, 2024–2035

List Of Figures

LIST OF FIGURES

- Fig 1. Global Liquid Silicone Rubber Market, Research Methodology
- Fig 2. Global Liquid Silicone Rubber Market, Estimation Techniques
- Fig 3. Market Size Estimation & Forecast Models
- Fig 4. Key Trends in Global Liquid Silicone Rubber Market 2025
- Fig 5. Growth Prospects 2024–2035
- Fig 6. Global Liquid Silicone Rubber Market, Porter’s Five Forces Model
- Fig 7. Global Liquid Silicone Rubber Market, PESTEL Analysis
- Fig 8. Global Liquid Silicone Rubber Market, Value Chain Analysis
- Fig 9. Liquid Silicone Rubber Market by Grade, 2025 & 2035
- Fig 10. Liquid Silicone Rubber Market by Application, 2025 & 2035
- Fig 11. North America Liquid Silicone Rubber Market, 2025 & 2035
- Fig 12. Europe Liquid Silicone Rubber Market, 2025 & 2035
- Fig 13. Asia Pacific Liquid Silicone Rubber Market, 2025 & 2035
- Fig 14. Latin America Liquid Silicone Rubber Market, 2025 & 2035
- Fig 15. Middle East & Africa Liquid Silicone Rubber Market, 2025 & 2035
- Fig 16. Global Liquid Silicone Rubber Market, Company Market Share Analysis (2025)

I would like to order

Product name: Global Liquid Silicone Rubber Market Size Study & Forecast, by Grade and Application, and Regional Forecasts 2025–2035

Product link: <https://marketpublishers.com/r/G7F9B9C8D6A7EN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7F9B9C8D6A7EN.html>