

Vulcanised Solid Rubber Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Report description:

The Global Vulcanised Solid Rubber Market was valued at USD 12.4 billion in 2024 and is estimated to grow at a CAGR of 6.7% to reach USD 23.7 billion by 2034. This upward trend is largely fueled by rising consumption across the automotive and construction industries, particularly in well-established regions like Europe and rapidly advancing economies such as China. Vulcanised solid rubber continues to gain traction due to its impressive resistance to weathering, high durability, and elasticity, making it an essential material in a wide variety of industrial applications. Industries across the globe increasingly rely on it for its performance in sealing, vibration dampening, protective padding, and durable flooring systems. Its robust performance under high mechanical stress and exposure to various environmental factors ensures consistent demand across both mature and emerging industrial markets.

The material's ability to withstand temperature fluctuations and provide reliable insulation positions it as a preferred choice in manufacturing environments that require longevity and resilience. As infrastructure spending rebounds globally, especially across Southeast Asia and parts of the Middle East, more projects are turning to industrial-grade rubber solutions for long-term efficiency. Meanwhile, the ongoing transformation of the automotive sector - particularly the shift toward electric and hybrid mobility - is expected to further strengthen demand for materials that deliver noise insulation, vibration control, and enhanced thermal management. As a result, vulcanized solid rubber is increasingly being adopted in advanced vehicle designs, supporting a surge in innovation and component integration within the industry. These evolving requirements are prompting suppliers to adapt by offering next-generation rubber formulations that are more sustainable, performance-oriented, and application-specific, further driving the market's momentum.

In terms of product types, styrene-butadiene rubber (SBR) continues to dominate the global market landscape. This segment generated a revenue of USD 2.9 billion in 2024 and is forecasted to grow to USD 5.6 billion by 2034, registering a CAGR of 6.9% over the period. SBR's popularity is driven by its cost-efficiency and exceptional mechanical performance, especially in high-friction and wear-intensive applications. Its abrasion resistance and aging stability make it highly suitable for use in components such as gaskets, seals, belts, and industrial pads. Additionally, the material blends well with natural rubber, improving its adaptability across different industries like automotive, footwear, and construction. This compatibility not only

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enhances its physical properties but also broadens its range of use cases, reinforcing its dominance in the market. When segmented by application, the automotive and transportation sector accounted for the largest share of the global vulcanized solid rubber market in 2024, with a revenue contribution of 43.7%. The sector's leadership is underpinned by the broad use of vulcanized rubber parts in vehicle components that demand heat resistance, oil tolerance, and stress durability. These characteristics make the material well-suited for use in engine mounts, underbody shields, floor liners, and noise-control systems. With electric vehicles gaining momentum, the industry's reliance on rubber for non-structural yet critical components such as noise, vibration, and harshness (NVH) reduction systems is becoming more pronounced. The need for quieter cabins and thermal insulation in EVs is fueling innovation in rubber formulations and expanding their relevance across new mobility platforms. Regionally, China emerged as a leading contributor, generating USD 2.3 billion in revenue in 2024 and is expected to reach USD 4.5 billion by 2034, growing at a CAGR of 6.9%. The country's strong position is supported by its massive production capacity and ongoing shift towards innovation-led manufacturing. Despite rising raw material costs, local producers are ramping up efforts to develop high-performance rubber compounds that meet the quality expectations of global markets. China's emphasis on self-reliance and technological advancement is fostering greater adoption of value-added rubber products, enhancing its competitiveness on the international stage. Additionally, domestic consumption continues to rise steadily, supporting internal demand and driving long-term growth opportunities.

The global vulcanized solid rubber industry remains highly consolidated, with the top five market players accounting for over 40% of the total share. These companies maintain a competitive edge through vertical integration, comprehensive product offerings, and expansive manufacturing networks. Leading players are investing heavily in research and development to engineer advanced rubber compounds that are bio-based, low in volatile organic compounds (VOCs), and capable of withstanding longer life cycles under demanding conditions. Strategic acquisitions are also playing a significant role in shaping the market, with major companies expanding their footprint through targeted takeovers of niche compounders and joint ventures with regional producers.

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Table of Contents:

Report Content

Chapter 1 Methodology & Scope

1.1 Market scope and definition

1.2 Research design

1.2.1 Research approach

1.2.2 Data collection methods

1.3 Data mining sources

1.3.1 Global

1.3.2 Regional/Country

1.4 Base estimates and calculations

1.4.1 Base year calculation

1.4.2 Key trends for market estimation

1.5 Primary research and validation

1.5.1 Primary sources

1.6 Forecast model

1.7 Research assumptions and limitations

Chapter 2 Executive Summary

2.1 Industry 360 synopsis

2.2 Key market trends

2.2.1 Regional

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- 2.2.2 Product type
- 2.2.3 Application
- 2.3 TAM Analysis, 2025-2034
- 2.4 CXO perspectives: Strategic imperatives
 - 2.4.1 Executive decision points
 - 2.4.2 Critical success factors
- 2.5 Future Outlook and Strategic Recommendations

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
 - 3.1.1 Supplier Landscape
 - 3.1.2 Profit Margin
 - 3.1.3 Value addition at each stage
 - 3.1.4 Factor affecting the value chain
 - 3.1.5 Disruptions
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.3 Market opportunities
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
 - 3.4.1 North America
 - 3.4.2 Europe
 - 3.4.3 Asia Pacific
 - 3.4.4 Latin America
 - 3.4.5 Middle East & Africa
- 3.5 Porter's analysis
- 3.6 PESTEL analysis
 - 3.6.1 Technology and Innovation landscape
 - 3.6.2 Current technological trends
 - 3.6.3 Emerging technologies
- 3.7 Price trends
 - 3.7.1 By region
 - 3.7.2 By product type
- 3.8 Future market trends
- 3.9 Technology and Innovation landscape
 - 3.9.1 Current technological trends
 - 3.9.2 Emerging technologies
- 3.10 Patent Landscape
- 3.11 Trade statistics
(Note: the trade statistics will be provided for key countries only)
 - 3.11.1 Major importing countries
 - 3.11.2 Major exporting countries
- 3.12 Sustainability and Environmental Aspects
 - 3.12.1 Sustainable Practices
 - 3.12.2 Waste Reduction Strategies
 - 3.12.3 Energy Efficiency in Production

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- 3.12.4 Eco-friendly Initiatives
- 3.13 Carbon Footprint Considerations

Chapter 4 Competitive Landscape, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
 - 4.2.1 By region
 - 4.2.1.1 North America
 - 4.2.1.2 Europe
 - 4.2.1.3 Asia Pacific
 - 4.2.1.4 LATAM
 - 4.2.1.5 MEA
- 4.3 Company matrix analysis
- 4.4 Competitive analysis of major market players
- 4.5 Competitive positioning matrix
- 4.6 Key developments
 - 4.6.1 Mergers & acquisitions
 - 4.6.2 Partnerships & collaborations
 - 4.6.3 New Product Launches
- 4.7 Expansion Plans

Chapter 5 Market Estimates and Forecast, By Product Type, 2021 - 2034 (USD Billion) (Tons)

- 5.1 Key trends
- 5.2 Natural rubber (NR) products
- 5.3 Styrene-butadiene rubber (SBR) products
- 5.4 Butadiene rubber (BR) products
- 5.5 Ethylene propylene diene monomer (EPDM) products
- 5.6 Nitrile rubber (NBR) products
- 5.7 Chloroprene rubber (CR) products
- 5.8 Silicone rubber products
- 5.9 Other specialty rubber products

Chapter 6 Market Estimates and Forecast, By Hardness Grade, 2021 - 2034 (USD Billion) (Tons)

- 6.1 Key trends
- 6.2 Soft (shore a 30-50)
- 6.3 Medium (shore a 50-70)
- 6.4 Hard (shore a 70-90)
- 6.5 Extra hard (shore a 90+)

Chapter 7 Market Estimates and Forecast, By Manufacturing Process, 2021 - 2034 (USD Billion) (Tons)

- 7.1 Key trends
- 7.2 Compression molding
- 7.3 Transfer molding
- 7.4 Injection molding
- 7.5 Extrusion
- 7.6 Calendering
- 7.7 Others

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Chapter 8 Market Estimates and Forecast, By Application, 2021 - 2034 (USD Billion) (Tons)

- 8.1 Key trends
- 8.2 Automotive & transportation
 - 8.2.1 Tires & tire components
 - 8.2.2 Seals & gaskets
 - 8.2.3 Vibration isolators & mounts
 - 8.2.4 Hoses & belts
 - 8.2.5 Other automotive components
- 8.3 Industrial machinery & equipment
 - 8.3.1 Industrial seals & gaskets
 - 8.3.2 Conveyor belts & components
 - 8.3.3 Rollers & wheels
 - 8.3.4 Vibration isolation systems
 - 8.3.5 Other industrial applications
- 8.4 Construction & infrastructure
 - 8.4.1 Bridge bearings & expansion joints
 - 8.4.2 Seismic isolation systems
 - 8.4.3 Waterproofing & sealing products
 - 8.4.4 Flooring & paving materials
 - 8.4.5 Other construction applications
- 8.5 Electrical & electronics
 - 8.5.1 Insulation & cable components
 - 8.5.2 Connectors & seals
 - 8.5.3 Other electrical applications
- 8.6 Healthcare & medical devices
 - 8.6.1 Medical tubing & components
 - 8.6.2 Stoppers & seals
 - 8.6.3 Other medical applications
- 8.7 Consumer goods
 - 8.7.1 Footwear components
 - 8.7.2 Sporting goods
 - 8.7.3 Household products
 - 8.7.4 Other consumer applications
- 8.8 Others

Chapter 9 Market Estimates and Forecast, By Region, 2021 - 2034 (USD Billion) (Tons)

- 9.1 Key trends
- 9.2 North America
 - 9.2.1 U.S.
 - 9.2.2 Canada
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.2 UK
 - 9.3.3 France
 - 9.3.4 Spain
 - 9.3.5 Italy

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- 9.3.6 Rest of Europe
- 9.4 Asia Pacific
 - 9.4.1 China
 - 9.4.2 India
 - 9.4.3 Japan
 - 9.4.4 Australia
 - 9.4.5 South Korea
 - 9.4.6 Rest of Asia Pacific
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.2 Mexico
 - 9.5.3 Argentina
 - 9.5.4 Rest of Latin America
- 9.6 Middle East and Africa
 - 9.6.1 Saudi Arabia
 - 9.6.2 South Africa
 - 9.6.3 UAE
 - 9.6.4 Rest of Middle East and Africa

Chapter 10 Company Profiles

- 10.1 Arlanxeo
- 10.2 Bridgestone Corporation
- 10.3 Continental AG
- 10.4 Dow Inc.
- 10.5 ExxonMobil Corporation
- 10.6 Freudenberg Group
- 10.7 Gates Corporation
- 10.8 Goodyear Tire & Rubber Company
- 10.9 JSR Corporation
- 10.10 Kumho Petrochemical
- 10.11 LANXESS AG
- 10.12 Michelin
- 10.13 Momentive Performance Materials Inc.
- 10.14 NOK Corporation
- 10.15 Parker Hannifin Corporation
- 10.16 Shin-Etsu Chemical Co., Ltd.
- 10.17 Sumitomo Rubber Industries, Ltd.
- 10.18 Trelleborg AB
- 10.19 Wacker Chemie AG
- 10.20 Zeon Corporation

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