

## **Low Rolling Resistance Tire Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034**

Market Report | 2025-05-14 | 170 pages | Global Market Insights

### **AVAILABLE LICENSES:**

- Single User \$4850.00
- Multi User \$6050.00
- Enterprise User \$8350.00

### **Report description:**

The Global Low Rolling Resistance Tire Market was valued at USD 15.6 billion in 2024 and is estimated to grow at a CAGR of 12% to reach USD 42.5 billion by 2034, driven by the growing environmental awareness, surging electric vehicle adoption, and significant improvements in tire materials. As mobility shifts toward sustainable solutions, low rolling resistance (LRR) tires help reduce energy losses while improving fuel efficiency. Vehicle manufacturers and consumers prioritize these tires for their impact on emissions, cost savings, and performance. Advancements in smart tire technology, eco-friendly compounds, and lightweight construction further fuel demand across diverse automotive segments.

Electric and hybrid vehicles are major contributors to the increasing popularity of LRR tires. These tires help extend battery range and enhance efficiency by minimizing surface friction. Next-generation tire designs now feature enhanced silica-based compounds, lightweight profiles, and intelligent tread patterns to optimize contact and reduce drag. The integration of embedded sensors for real-time diagnostics is transforming LRR tires into intelligent components capable of monitoring wear and pressure, offering predictive insights for vehicle maintenance. This evolution supports conventional and autonomous vehicles seeking to maximize road performance while minimizing energy consumption.

The rubber-based LRR tire category accounted for a 37.43% share in 2024 and is anticipated to witness a CAGR of 13.6% through 2034. Rubber compounds blended with advanced fillers offer strong resistance to wear and superior traction without sacrificing ride comfort or durability. These materials enable manufacturers to deliver energy-efficient tires that meet regulatory standards while catering to drivers' growing expectations around sustainability and performance.

The passenger vehicles segment held a 76.9% share in 2024. Consumer preferences for cost-effective and eco-conscious solutions are contributing to widespread adoption. LRR tires enhance vehicle efficiency in stop-and-go traffic and daily commutes, offering noticeable gains in fuel savings, reduced emissions, and driving comfort. These benefits align closely with modern urban transportation needs and the increasing integration of LRR tires in new vehicle models.

China Low Rolling Resistance Tire Market held 60.63%, generating USD 4.38 billion in 2024. Its dominance stems from aggressive investment in EV production, regulatory backing for emission controls, and domestic innovation in tire technologies. Strong collaborations between local and global brands have accelerated R&D, expanding the availability and performance of advanced

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

LRR tire products.

To secure market leadership, companies such as Michelin, Yokohama Rubber, Pirelli, Bridgestone, and Continental focus on strategic partnerships, investments in sustainable materials, and R&D for advanced tread patterns and lightweight compounds. Many are integrating digital technologies, such as embedded sensors, to add value through smart tire solutions. Collaborations with EV makers and expanding production facilities in high-demand regions are also pivotal in strengthening global market presence.

□

## **Table of Contents:**

### Report Content

#### Chapter 1 Methodology & Scope

##### 1.1 Research design

###### 1.1.1 Research approach

###### 1.1.2 Data collection methods

##### 1.2 Base estimates and calculations

###### 1.2.1 Base year calculation

###### 1.2.2 Key trends for market estimates

##### 1.3 Forecast model

##### 1.4 Primary research & validation

###### 1.4.1 Primary sources

###### 1.4.2 Data mining sources

##### 1.5 Market definitions

#### Chapter 2 Executive Summary

##### 2.1 Industry 360 synopsis, 2021 - 2034

#### Chapter 3 Industry Insights

##### 3.1 Industry ecosystem analysis

##### 3.2 Supplier landscape

###### 3.2.1 Tire manufacturers

###### 3.2.2 Automotive OEM

###### 3.2.3 Raw material suppliers

###### 3.2.4 Fleet operators & logistics firms

###### 3.2.5 End use

##### 3.3 Impact of Trump administration tariffs

###### 3.3.1 Trade impact

###### 3.3.1.1 Trade volume disruptions

###### 3.3.1.2 Retaliatory measures

###### 3.3.2 Impact on industry

###### 3.3.2.1 Supply-side impact (raw materials)

###### 3.3.2.1.1 Price volatility in key materials

###### 3.3.2.1.2 Supply chain restructuring

###### 3.3.2.1.3 Production cost implications

###### 3.3.2.2 Demand-side impact (Cost to customers)

###### 3.3.2.2.1 Price transmission to end markets

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 3.3.2.2.2 Market share dynamics
- 3.3.2.2.3 Consumer response patterns
- 3.3.3 Key companies impacted
- 3.3.4 Strategic industry responses
  - 3.3.4.1 Supply chain reconfiguration
  - 3.3.4.2 Pricing and product strategies
  - 3.3.4.3 Policy engagement
- 3.3.5 Outlook & future considerations
- 3.4 Profit margin analysis
- 3.5 Technology & innovation landscape
- 3.6 Patent analysis
- 3.7 Key news & initiatives
- 3.8 Regulatory landscape
- 3.9 Price trend
  - 3.9.1 Propulsion
  - 3.9.2 Region
- 3.10 Cost breakdown analysis
- 3.11 Impact on forces
  - 3.11.1 Growth drivers
    - 3.11.1.1 Rise in Electric Vehicle (EV) adoption
    - 3.11.1.2 OEM integration of LRR tires as standard
    - 3.11.1.3 Advancements in tire technology and materials
    - 3.11.1.4 Government incentives for green vehicles and components
  - 3.11.2 Industry pitfalls & challenges
    - 3.11.2.1 Driver distractions and safety concerns
    - 3.11.2.2 Data privacy and security
- 3.12 Growth potential analysis
- 3.13 Porter's analysis
- 3.14 PESTEL analysis

#### Chapter 4 Competitive Landscape, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

#### Chapter 5 Market Estimates & Forecast, By Vehicle, 2021 - 2034 (\$Mn, Units)

- 5.1 Key trends
- 5.2 Passenger cars
  - 5.2.1 Sedans
  - 5.2.2 Hatchbacks
  - 5.2.3 SUV
- 5.3 Commercial vehicles
  - 5.3.1 Light duty
  - 5.3.2 Medium duty
  - 5.3.3 Heavy duty

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Chapter 6 Market Estimates & Forecast, By Propulsion, 2021 - 2034 (\$Mn, Units)

- 6.1 Key trends
- 6.2 Gasoline
- 6.3 Diesel
- 6.4 All-Electric
- 6.5 PHEV
- 6.6 HEV
- 6.7 FCEV

## Chapter 7 Market Estimates & Forecast, By Material, 2021 - 2034 (\$Mn, Units)

- 7.1 Key trends
- 7.2 Rubber-based
- 7.3 Silica-based
- 7.4 Hybrid compounds
- 7.5 Nano materials

## Chapter 8 Market Estimates & Forecast, By Sales Channel, 2021 - 2034 (\$Mn, Units)

- 8.1 Key trends
- 8.2 OEM
- 8.3 Aftermarket

## Chapter 9 Market Estimates & Forecast, By End Use, 2021 - 2034 (\$Mn, Units)

- 9.1 Key trends
- 9.2 Personal use
- 9.3 Commercial fleets
- 9.4 Government/municipal transport
- 9.5 Logistics and delivery services

## Chapter 10 Market Estimates & Forecast, By Region, 2021 - 2034 (\$Mn, Units)

- 10.1 Key trends
- 10.2 North America
  - 10.2.1 U.S.
  - 10.2.2 Canada
- 10.3 Europe
  - 10.3.1 UK
  - 10.3.2 Germany
  - 10.3.3 France
  - 10.3.4 Italy
  - 10.3.5 Spain
  - 10.3.6 Russia
  - 10.3.7 Nordics
- 10.4 Asia Pacific
  - 10.4.1 China
  - 10.4.2 India
  - 10.4.3 Japan
  - 10.4.4 South Korea
  - 10.4.5 ANZ

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

10.4.6 Southeast Asia

10.5 Latin America

10.5.1 Brazil

10.5.2 Mexico

10.5.3 Argentina

10.6 MEA

10.6.1 UAE

10.6.2 Saudi Arabia

10.6.3 South Africa

## Chapter 11 Company Profiles

11.1 Apollo

11.2 Bridgestone

11.3 Cheng Shin Rubber Industry

11.4 Continental

11.5 Double Coin Holdings

11.6 Giti Tire

11.7 Hankook Tire & Technology

11.8 Kumho Tire

11.9 Michelin

11.10 MRF

11.11 Nexen Tire

11.12 Nokian Tyres

11.13 Pirelli & C.

11.14 Sailun Group

11.15 Sumitomo Rubber Industries

11.16 The Goodyear Tire & Rubber Company

11.17 Toyo Tire

11.18 Triangle Tyre

11.19 Yokohama Rubber

11.20 Zhongce Rubber Group

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Low Rolling Resistance Tire Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Report | 2025-05-14 | 170 pages | Global Market Insights

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$6050.00
	Enterprise User	\$8350.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-17"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)  
[www.scotts-international.com](http://www.scotts-international.com)