

# Carbon Black in Tire Market: Trends, Opportunities and Competitive Analysis

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## Abstracts

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### Carbon Black in Tire Market Trends and Forecast

The future of global carbon black in tire market looks promising with opportunities in the passenger car tire, and commercial vehicles tire applications. The carbon black in global tire market is expected to reach an estimated \$21.0 billion by 2030 with a CAGR of 4.8% from 2024 to 2030. The major drivers for this market are strong demand for tires from passenger cars and commercial vehicles.

Lucintel forecasts that the replacement tire industry is expected to remain the largest segment over the forecast period. Rising average vehicle life and continuous expansion of automotive vehicle fleet is expected to spur growth for this segment over the forecast period.

Carbon black tire demand for carbon black in commercial vehicles is likely to experience the significant growth in the forecast period supported by rapid development of the transportation infrastructure in emerging nation and recovery in global economy.

Asia Pacific will remain the largest region by value and volume, and it is also expected to witness the highest growth over the forecast period, propelled by higher vehicle production and shift of tire production to low-cost countries, such as India and China.

Asia Pacific will remain the largest region in the Carbon Black in Tire Market

1. United States: Leading companies like Cabot Corporation and Orion Engineered Carbons are driving innovations in carbon black for tires. Initiatives such as the Tire Industry Project (TIP) promote sustainability and reduce environmental impact. The US government supports research and development in advanced materials through agencies like the National Science Foundation (NSF).

2. China: Chinese manufacturers, including Jiangxi Black Cat Carbon Black Inc. and Longxing Chemical Stock Co., Ltd., dominate the global carbon black in tire market. Government initiatives promoting automotive industry growth and sustainability drive market expansion. The Chinese Ministry of Industry and Information Technology sets standards and regulations for tire manufacturing.

3. Germany: German companies like Continental AG and LANXESS AG are at the forefront of carbon black technology for tires. Government initiatives promoting sustainable mobility and reducing greenhouse gas emissions drive market growth. The German Federal Ministry for Economic Affairs and Energy supports initiatives for innovation and competitiveness in the automotive sector.

4. India: Indian manufacturers, including Phillips Carbon Black Limited and Aditya Birla Group, are key players in the carbon black in tire market. Government initiatives such as the Automotive Mission Plan aim to promote indigenous manufacturing and reduce import dependency. The Indian Ministry of Commerce and Industry supports initiatives for the development of the automotive industry.

5. Brazil: Brazilian companies like Birla Carbon and Cabot Corporation are investing in carbon black production for tires. Government initiatives promoting automotive industry growth and environmental sustainability drive market expansion. The Brazilian Ministry of Mines and Energy oversees regulations and policies for the automotive sector.

### Emerging Trends in the Carbon Black in Tire Market

Emerging trends, which have a direct impact on the dynamics of the carbon black tire industry, include the shift from commodity to more specialized grade carbon black, growing usage of recycled and bio-based carbon black and increasing merger and acquisition activities to consolidate the market.

A total of 107 figures / charts and 68 tables are provided in this 205-page report to help in your business decisions. A sample figure with insights is shown below.

### Carbon Black in Tire Market by Segment

The study includes trends and forecast for the global carbon black in tire market by application, end use, and region as follows:

Carbon Black in Tire Market by Application [Volume (Kiloton) and \$M shipment analysis for 2018– 2030]:

Passenger Car Tires

Commercial Vehicles Tires

Others

Carbon Black in Tire Market by End Use [Volume (Kiloton) and \$M shipment analysis for 2018– 2030]:

OEM

Replacement

Carbon Black in Tire Market by Region [Volume (Kiloton) and \$M shipment analysis for 2018– 2030]:

North America

US

Canada

Mexico

Europe

Germany

The United Kingdom

France

Russia

Asia Pacific

China

Japan

India

South Korea

The Rest of the World

Brazil

Argentina

### List of Carbon Black in Tire Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies carbon black in tire companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the carbon black in tire companies profiled in this report includes.

Birla Carbon

Orion Engineered Carbon

Cabot Corporation

Omsk Carbon Group

Philips Carbon Black

China Synthetic Rubber Corporation

Tokai Carbon

Denka Company Limited

Himadri Specialty Chemical

Imerys Graphite & Carbon

Continental Carbon Company

## Recent Developments in Carbon Black in Tire Market

- 1. Focus on Sustainable Carbon Black Production:** Recent developments in the carbon black in tire market include a focus on sustainable production methods. Tire manufacturers are increasingly adopting sustainable carbon black production processes, such as pyrolysis of waste tires or biomass, to reduce environmental impact and meet sustainability goals.
- 2. Technological Advancements in Carbon Black Manufacturing:** There are ongoing technological advancements in carbon black manufacturing processes to improve product quality, consistency, and efficiency. Innovations in reactor design, feedstock selection, and process optimization are driving improvements in carbon black properties, leading to enhanced tire performance and durability.
- 3. Rising Demand for High-Performance Tires:** The demand for high-performance tires is increasing, driving growth in the carbon black in tire market. High-performance tires require specialized carbon black grades with superior abrasion resistance, traction, and heat dissipation properties to meet the performance requirements of sports cars, luxury vehicles, and SUVs.

4. **Expansion of Tire Manufacturing Facilities:** Tire manufacturers are expanding their production capacities and establishing new manufacturing facilities to meet the growing demand for tires worldwide. This expansion is driving the demand for carbon black as a key ingredient in tire rubber formulations, particularly in emerging markets with increasing vehicle ownership rates.

5. **Integration of Sustainable Materials in Tire Design:** There's a trend towards integrating sustainable materials, including bio-based fillers and renewable reinforcements, in tire design and manufacturing. Tire companies are exploring alternatives to traditional carbon black fillers to reduce dependency on fossil fuels and minimize environmental impact throughout the tire lifecycle.

6. **Emphasis on Tire Recycling and Circular Economy:** The tire industry is placing greater emphasis on tire recycling and the circular economy principles. Tire manufacturers are collaborating with recycling companies and investing in innovative recycling technologies to reclaim carbon black and other valuable materials from end-of-life tires, promoting resource conservation and waste reduction.

## Features of Carbon Black in Tire Market

**Market Size Estimates:** Carbon black in tire market size estimation in terms of value (\$M) and volume (kilotons)

**Trend and Forecast Analysis:** Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

**Segmentation Analysis:** Market size by application and end use.

**Regional Analysis:** Carbon black in tire market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different application, end use, and regions for the carbon black in tire market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the carbon black in tire market.

**Analysis of competitive intensity of the industry based on Porter's Five Forces**

model.

## FAQ

Q1. What is the carbon black in tire market size?

Answer: The global carbon black in tire market is expected to reach an estimated \$21.0 billion by 2030.

Q2. What is the growth forecast for carbon black in tire market?

Answer: The carbon black in tire market is expected to grow at a CAGR of 4.8% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the carbon black in tire market?

Answer: The major drivers of growth for this market are strong demand for tires from passenger cars and commercial vehicles.

Q4. What are the major applications or end use industries for carbon black in tire?

Answer: Passenger car tire and commercial vehicle tire are the major application for carbon black in tire.

Q5. What are the emerging trends in carbon black in tire market?

Answer: Emerging trends, which have a direct impact on the dynamics of the carbon black tire industry, include the shift from commodity to more specialized grade carbon black, growing usage of recycled and bio-based carbon black and increasing merger and acquisition activities to consolidate the market.

Q6. What are the key carbon black in tire companies?

Answer: Some of the key carbon black in tire companies are as follows:

Birla Carbon

Orion Engineered Carbon

Cabot Corporation

Omsk Carbon Group

Philips Carbon Black

China Synthetic Rubber Corporation

Tokai Carbon

Denka Company Limited

Himadri Specialty Chemical

Imerys Graphite & Carbon

Continental Carbon Company

Q7. Which carbon black in tire end use segment will be the largest in future?

Answer: Lucintel forecasts that the replacement tire industry is expected to remain the largest segment over the forecast period supported by using average vehicle life and continuous expansion of automotive vehicle fleet is expected to spur growth for this segment over the forecast period.

Q8: In carbon black in tire market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions



Q.1 What are some of the most promising potential, high growth opportunities for the global carbon black in tire market by application (passenger car tire, commercial vehicles tire, others), and end user industry (OEM, replacement), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to carbon black in tire market or related to carbon black in tire market share, carbon black in tire market analysis, and carbon black in tire market size, write to Lucintel analysts at [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com). We will be glad to get back to you soon.

## Contents

Table of Content

### **1. EXECUTIVE SUMMARY**

### **2. MARKET BACKGROUND AND CLASSIFICATIONS**

2.1: Introduction

2.2: Supply Chain

2.3: Industry Drivers and Challenges

### **3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2018 TO 2030**

3.1: Macroeconomic Trends and Forecasts

3.2: Global Carbon Black in Tire Market Trends and Forecast

3.3: Global Carbon Black in Tire Market by Application

3.3.1: Passenger Car Tire

3.3.2: Commercial Vehicle Tire

3.3.3: Others

3.4: Global Carbon Black in Tire Market by End Use

3.4.1: OEM

3.4.2: Replacement

### **4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION**

4.1: Global Carbon Black in Tire Market by Region

4.2: North American Carbon Black in Tire Market

4.2.1: Market by Application: Passenger Care Tire, Commercial Vehicle Tire, and Others

4.2.2: Market by End Use: OEM and Replacement

4.2.3: United States Carbon Black in Tire Market

4.2.4: Canadian Carbon Black in Tire Market

4.2.5: Mexican Carbon Black in Tire Market

4.3: European Carbon Black in Tire Market

4.3.1: Market by Application: Passenger Care Tire, Commercial Vehicle Tire, and Others

4.3.2: Market by End Use: OEM and Replacement

4.3.3: French Carbon Black in Tire Market

- 4.3.4: United Kingdom Carbon Black in Tire Market
- 4.3.5: German Carbon Black in Tire Market
- 4.3.6: Italian Carbon Black in Tire Market
- 4.4: APAC Carbon Black in Tire Market
  - 4.4.1: Market by Application: Passenger Care Tire, Commercial Vehicle Tire, and Others
  - 4.4.2: Market by End Use: OEM and Replacement
  - 4.4.3: Chinese Carbon Black in Tire Market
  - 4.4.4: South Korean Carbon Black in Tire Market
  - 4.4.5: Indonesian Carbon Black in Tire Market
  - 4.4.6: Japanese Carbon Black in Tire Market
  - 4.4.7: Indian Carbon Black in Tire Market
- 4.5: ROW Carbon Black in Tire Market
  - 4.5.1: Market by Application: Passenger Care Tire, Commercial Vehicle Tire, and Others
  - 4.5.2: Market by End Use: OEM and Replacement
  - 4.5.3: Brazilian Carbon Black in Tire Market
  - 4.5.4: Argentina Carbon Black in Tire Market

## **5. COMPETITOR ANALYSIS**

- 5.1: Product Portfolio Analysis
- 5.2: Market Share Analysis
- 5.3: Operational Integration
- 5.4: Geographical Reach
- 5.5: Porter's Five Forces Analysis

## **6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS**

- 6.1: Growth Opportunity Analysis
  - 6.1.1: Growth Opportunities for the Global Carbon Black in Tire Market by Application
  - 6.1.2: Growth Opportunities for the Global Carbon Black in Tire Market by End Use
  - 6.1.3: Growth Opportunities for the Global Carbon Black in Tire Market by Region
- 6.2: Emerging Trends in the Global Carbon Black in Tire Market
- 6.3: Strategic Analysis
  - 6.3.1: New Product Development
  - 6.3.2: Mergers and Acquisitions

## **7. COMPANY PROFILES OF LEADING PLAYERS**

- 7.1: Birla Carbon
- 7.2: Orion Engineered Carbon
- 7.3: Cabot Corporation
- 7.4: Omsk Carbon Group
- 7.5: Philips Carbon Black
- 7.6: China Synthetic Rubber Corporation
- 7.7: Tokai Carbon
- 7.8: Denka Company Limited
- 7.9: Himadri Specialty Chemical
- 7.10: Imerys Graphite & Carbon
- 7.11: Continental Carbon Company

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