

Carbon Black Market By Grade (Standard Carbon Black, Specialty Carbon Black) , By Manufacturing Process (Furnace Black, Thermal Black, Others) By Application (Rubber, Plastic, Inks and Coatings, Battery Electrodes, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2031

<https://marketpublishers.com/r/CD9CCCE71A52EN.html>

Date: November 2024

Pages: 350

Price: US\$ 2,655.00 (Single User License)

ID: CD9CCCE71A52EN

Abstracts

The carbon black market was valued at \$21.4 billion in 2023, and is projected to reach \$32.6 billion by 2031, growing at a CAGR of 5.4% from 2024 to 2031.

Carbon black is a fine black powder composed primarily of elemental carbon. It is produced through the incomplete combustion or thermal decomposition of hydrocarbons, such as oil or natural gas. Carbon black is widely used as a reinforcing agent in rubber products, especially tires, and as a pigment in inks, coatings, and plastics. Its unique physical and chemical properties, including high surface-area-to-volume ratio and conductivity, make it a versatile material in various industrial applications.

The global carbon black market is witnessing robust growth due to factors such as rise in global vehicle production and surge in adoption of electric vehicles. This is attributed to the fact that the automotive industry is a major consumer of carbon black, primarily for high-performance and durable tires. As per a recent study published by Contec S.A.—provider of circular rubber and plastic solutions that deliver low carbon footprint by recovering carbon black from waste tires—73% of global carbon black production is consumed in the tire manufacturing sector. In addition, carbon black is widely used in manufacturing industrial rubber products such as conveyor belts, hoses, and seals. The expansion of industries such as construction, mining, and agriculture is fueling the

demand for these products, subsequently boosting the market for carbon black. Furthermore, rapid urbanization and infrastructure projects across emerging economies are augmenting the demand for construction materials, where carbon black is used in coatings, asphalt, and other materials to improve durability and longevity. The trend towards lightweight and high-strength materials in automotive and aerospace industries has increased the use of carbon black in composite materials, further expanding its market potential. Moreover, as industries strive to reduce their carbon footprint, sustainable production methods for carbon black, such as recovered carbon black from recycled tires, are gaining popularity. This trend aligns with global efforts to promote circular economy practices. However, prolonged exposure to carbon black dust is associated with respiratory issues and other health hazards for workers in production facilities. These concerns are driving stricter workplace safety standards, leading to increased compliance expenses. In addition, economic uncertainties, particularly in emerging markets like India and Brazil, can impact construction and automotive industries, thereby affecting the demand for carbon black. On the contrary, with the growing focus on renewable energy and electric mobility, carbon black is finding applications in energy storage systems such as batteries and supercapacitors. Its excellent conductivity and chemical stability make it suitable for enhancing the performance of energy storage devices. The booming e-commerce and packaging industries are propelling the demand for high-quality printing inks, indirectly boosting the carbon black market. Thus, these factors collectively are expected to offer remunerative opportunities for the expansion of the global market during the forecast period.

The global carbon black market is segmented on the basis of grade, manufacturing process, application, and region. By grade, the market is bifurcated into standard carbon black and specialty carbon black. On the basis of manufacturing process, it is categorized into furnace black, thermal black, and others. Depending on application, it is classified into rubber, plastic, inks and coatings, battery electrodes, and others. Region wise the market is studied across areas such as North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

By grade, the standard carbon black segment is expected to maintain its lead position from 2024 to 2031.

On the basis of manufacturing process, the thermal black segment is anticipated to exhibit the highest growth during the forecast period.

Depending on application, the rubber segment is projected to grow at the highest pace during the forecast period.

Region wise, Asia-Pacific is likely to emerge as the most lucrative market for carbon black by 2033.

Competition Analysis

The major players operating in the global carbon black market include Cabot Corporation, Aditya Birla Group, PCBL, Vizag Chemical, Kizashi Carbon, Vinayak Industries, Contec, Astrra Chemicals, and Epsilon Carbon Private Limited. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Manufacturing Capacity

Investment Opportunities

Upcoming/New Entrant by Regions

Technology Trend Analysis

Market share analysis of players by products/segments

New Product Development/ Product Matrix of Key Players

Patient/epidemiology data at country, region, global level

Regulatory Guidelines

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Import Export Analysis/Data

List of customers/consumers/raw material suppliers- value chain analysis

SWOT Analysis

Volume Market Size and Forecast

Key Market Segments

By Grade

Standard Carbon Black

Specialty Carbon Black

By Manufacturing Process

Furnace Black

Thermal Black

Others

By Application

Rubber

Plastic

Inks and Coatings

Battery Electrodes

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Australia

Thailand

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

Saudi Arabia

Rest of LAMEA

Key Market Players

Cabot Corporation

Aditya Birla Group

PCBL

Vizag Chemical

Kizashi Carbon

Vinayak Industries

Contec

Contec

Astrra Chemicals

Epsilon Carbon Private Limited

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: CARBON BLACK MARKET, BY GRADE

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Grade
- 4.2. Standard Carbon Black
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Specialty Carbon Black
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country

CHAPTER 5: CARBON BLACK MARKET, BY MANUFACTURING PROCESS

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Manufacturing Process
- 5.2. Furnace Black
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Thermal Black
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country
- 5.4. Others
 - 5.4.1. Key Market Trends, Growth Factors and Opportunities
 - 5.4.2. Market Size and Forecast, By Region
 - 5.4.3. Market Share Analysis, By Country

CHAPTER 6: CARBON BLACK MARKET, BY APPLICATION

- 6.1. Market Overview
 - 6.1.1 Market Size and Forecast, By Application
- 6.2. Rubber
 - 6.2.1. Key Market Trends, Growth Factors and Opportunities
 - 6.2.2. Market Size and Forecast, By Region
 - 6.2.3. Market Share Analysis, By Country
- 6.3. Plastic
 - 6.3.1. Key Market Trends, Growth Factors and Opportunities
 - 6.3.2. Market Size and Forecast, By Region
 - 6.3.3. Market Share Analysis, By Country
- 6.4. Inks And Coatings
 - 6.4.1. Key Market Trends, Growth Factors and Opportunities
 - 6.4.2. Market Size and Forecast, By Region

- 6.4.3. Market Share Analysis, By Country
- 6.5. Battery Electrodes
 - 6.5.1. Key Market Trends, Growth Factors and Opportunities
 - 6.5.2. Market Size and Forecast, By Region
 - 6.5.3. Market Share Analysis, By Country
- 6.6. Others
 - 6.6.1. Key Market Trends, Growth Factors and Opportunities
 - 6.6.2. Market Size and Forecast, By Region
 - 6.6.3. Market Share Analysis, By Country

CHAPTER 7: CARBON BLACK MARKET, BY REGION

- 7.1. Market Overview
 - 7.1.1 Market Size and Forecast, By Region
- 7.2. North America
 - 7.2.1. Key Market Trends and Opportunities
 - 7.2.2. Market Size and Forecast, By Grade
 - 7.2.3. Market Size and Forecast, By Manufacturing Process
 - 7.2.4. Market Size and Forecast, By Application
 - 7.2.5. Market Size and Forecast, By Country
 - 7.2.6. U.S. Carbon Black Market
 - 7.2.6.1. Market Size and Forecast, By Grade
 - 7.2.6.2. Market Size and Forecast, By Manufacturing Process
 - 7.2.6.3. Market Size and Forecast, By Application
 - 7.2.7. Canada Carbon Black Market
 - 7.2.7.1. Market Size and Forecast, By Grade
 - 7.2.7.2. Market Size and Forecast, By Manufacturing Process
 - 7.2.7.3. Market Size and Forecast, By Application
 - 7.2.8. Mexico Carbon Black Market
 - 7.2.8.1. Market Size and Forecast, By Grade
 - 7.2.8.2. Market Size and Forecast, By Manufacturing Process
 - 7.2.8.3. Market Size and Forecast, By Application
- 7.3. Europe
 - 7.3.1. Key Market Trends and Opportunities
 - 7.3.2. Market Size and Forecast, By Grade
 - 7.3.3. Market Size and Forecast, By Manufacturing Process
 - 7.3.4. Market Size and Forecast, By Application
 - 7.3.5. Market Size and Forecast, By Country
 - 7.3.6. Germany Carbon Black Market

- 7.3.6.1. Market Size and Forecast, By Grade
- 7.3.6.2. Market Size and Forecast, By Manufacturing Process
- 7.3.6.3. Market Size and Forecast, By Application
- 7.3.7. UK Carbon Black Market
 - 7.3.7.1. Market Size and Forecast, By Grade
 - 7.3.7.2. Market Size and Forecast, By Manufacturing Process
 - 7.3.7.3. Market Size and Forecast, By Application
- 7.3.8. France Carbon Black Market
 - 7.3.8.1. Market Size and Forecast, By Grade
 - 7.3.8.2. Market Size and Forecast, By Manufacturing Process
 - 7.3.8.3. Market Size and Forecast, By Application
- 7.3.9. Spain Carbon Black Market
 - 7.3.9.1. Market Size and Forecast, By Grade
 - 7.3.9.2. Market Size and Forecast, By Manufacturing Process
 - 7.3.9.3. Market Size and Forecast, By Application
- 7.3.10. Italy Carbon Black Market
 - 7.3.10.1. Market Size and Forecast, By Grade
 - 7.3.10.2. Market Size and Forecast, By Manufacturing Process
 - 7.3.10.3. Market Size and Forecast, By Application
- 7.3.11. Rest Of Europe Carbon Black Market
 - 7.3.11.1. Market Size and Forecast, By Grade
 - 7.3.11.2. Market Size and Forecast, By Manufacturing Process
 - 7.3.11.3. Market Size and Forecast, By Application
- 7.4. Asia-Pacific
 - 7.4.1. Key Market Trends and Opportunities
 - 7.4.2. Market Size and Forecast, By Grade
 - 7.4.3. Market Size and Forecast, By Manufacturing Process
 - 7.4.4. Market Size and Forecast, By Application
 - 7.4.5. Market Size and Forecast, By Country
 - 7.4.6. China Carbon Black Market
 - 7.4.6.1. Market Size and Forecast, By Grade
 - 7.4.6.2. Market Size and Forecast, By Manufacturing Process
 - 7.4.6.3. Market Size and Forecast, By Application
 - 7.4.7. India Carbon Black Market
 - 7.4.7.1. Market Size and Forecast, By Grade
 - 7.4.7.2. Market Size and Forecast, By Manufacturing Process
 - 7.4.7.3. Market Size and Forecast, By Application
 - 7.4.8. Japan Carbon Black Market
 - 7.4.8.1. Market Size and Forecast, By Grade

- 7.4.8.2. Market Size and Forecast, By Manufacturing Process
- 7.4.8.3. Market Size and Forecast, By Application
- 7.4.9. South Korea Carbon Black Market
 - 7.4.9.1. Market Size and Forecast, By Grade
 - 7.4.9.2. Market Size and Forecast, By Manufacturing Process
 - 7.4.9.3. Market Size and Forecast, By Application
- 7.4.10. Australia Carbon Black Market
 - 7.4.10.1. Market Size and Forecast, By Grade
 - 7.4.10.2. Market Size and Forecast, By Manufacturing Process
 - 7.4.10.3. Market Size and Forecast, By Application
- 7.4.11. Thailand Carbon Black Market
 - 7.4.11.1. Market Size and Forecast, By Grade
 - 7.4.11.2. Market Size and Forecast, By Manufacturing Process
 - 7.4.11.3. Market Size and Forecast, By Application
- 7.4.12. Rest of Asia-Pacific Carbon Black Market
 - 7.4.12.1. Market Size and Forecast, By Grade
 - 7.4.12.2. Market Size and Forecast, By Manufacturing Process
 - 7.4.12.3. Market Size and Forecast, By Application
- 7.5. LAMEA
 - 7.5.1. Key Market Trends and Opportunities
 - 7.5.2. Market Size and Forecast, By Grade
 - 7.5.3. Market Size and Forecast, By Manufacturing Process
 - 7.5.4. Market Size and Forecast, By Application
 - 7.5.5. Market Size and Forecast, By Country
 - 7.5.6. Brazil Carbon Black Market
 - 7.5.6.1. Market Size and Forecast, By Grade
 - 7.5.6.2. Market Size and Forecast, By Manufacturing Process
 - 7.5.6.3. Market Size and Forecast, By Application
 - 7.5.7. Saudi Arabia Carbon Black Market
 - 7.5.7.1. Market Size and Forecast, By Grade
 - 7.5.7.2. Market Size and Forecast, By Manufacturing Process
 - 7.5.7.3. Market Size and Forecast, By Application
 - 7.5.8. Saudi Arabia Carbon Black Market
 - 7.5.8.1. Market Size and Forecast, By Grade
 - 7.5.8.2. Market Size and Forecast, By Manufacturing Process
 - 7.5.8.3. Market Size and Forecast, By Application
 - 7.5.9. Rest of LAMEA Carbon Black Market
 - 7.5.9.1. Market Size and Forecast, By Grade
 - 7.5.9.2. Market Size and Forecast, By Manufacturing Process

7.5.9.3. Market Size and Forecast, By Application

CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping Of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

CHAPTER 9: COMPANY PROFILES

- 9.1. Cabot Corporation
 - 9.1.1. Company Overview
 - 9.1.2. Key Executives
 - 9.1.3. Company Snapshot
 - 9.1.4. Operating Business Segments
 - 9.1.5. Product Portfolio
 - 9.1.6. Business Performance
 - 9.1.7. Key Strategic Moves and Developments
- 9.2. Aditya Birla Group
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot
 - 9.2.4. Operating Business Segments
 - 9.2.5. Product Portfolio
 - 9.2.6. Business Performance
 - 9.2.7. Key Strategic Moves and Developments
- 9.3. PCBL
 - 9.3.1. Company Overview
 - 9.3.2. Key Executives
 - 9.3.3. Company Snapshot
 - 9.3.4. Operating Business Segments
 - 9.3.5. Product Portfolio
 - 9.3.6. Business Performance
 - 9.3.7. Key Strategic Moves and Developments
- 9.4. Vizag Chemical
 - 9.4.1. Company Overview

- 9.4.2. Key Executives
- 9.4.3. Company Snapshot
- 9.4.4. Operating Business Segments
- 9.4.5. Product Portfolio
- 9.4.6. Business Performance
- 9.4.7. Key Strategic Moves and Developments
- 9.5. Kizashi Carbon
 - 9.5.1. Company Overview
 - 9.5.2. Key Executives
 - 9.5.3. Company Snapshot
 - 9.5.4. Operating Business Segments
 - 9.5.5. Product Portfolio
 - 9.5.6. Business Performance
 - 9.5.7. Key Strategic Moves and Developments
- 9.6. Vinayak Industries
 - 9.6.1. Company Overview
 - 9.6.2. Key Executives
 - 9.6.3. Company Snapshot
 - 9.6.4. Operating Business Segments
 - 9.6.5. Product Portfolio
 - 9.6.6. Business Performance
 - 9.6.7. Key Strategic Moves and Developments
- 9.7. Contec
 - 9.7.1. Company Overview
 - 9.7.2. Key Executives
 - 9.7.3. Company Snapshot
 - 9.7.4. Operating Business Segments
 - 9.7.5. Product Portfolio
 - 9.7.6. Business Performance
 - 9.7.7. Key Strategic Moves and Developments
- 9.8. Contec
 - 9.8.1. Company Overview
 - 9.8.2. Key Executives
 - 9.8.3. Company Snapshot
 - 9.8.4. Operating Business Segments
 - 9.8.5. Product Portfolio
 - 9.8.6. Business Performance
 - 9.8.7. Key Strategic Moves and Developments
- 9.9. Astrra Chemicals

- 9.9.1. Company Overview
- 9.9.2. Key Executives
- 9.9.3. Company Snapshot
- 9.9.4. Operating Business Segments
- 9.9.5. Product Portfolio
- 9.9.6. Business Performance
- 9.9.7. Key Strategic Moves and Developments
- 9.10. Epsilon Carbon Private Limited
 - 9.10.1. Company Overview
 - 9.10.2. Key Executives
 - 9.10.3. Company Snapshot
 - 9.10.4. Operating Business Segments
 - 9.10.5. Product Portfolio
 - 9.10.6. Business Performance
 - 9.10.7. Key Strategic Moves and Developments

I would like to order

Product name: Carbon Black Market By Grade (Standard Carbon Black, Specialty Carbon Black) , By Manufacturing Process (Furnace Black, Thermal Black, Others) By Application (Rubber, Plastic, Inks and Coatings, Battery Electrodes, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2031

Product link: <https://marketpublishers.com/r/CD9CCCE71A52EN.html>

Price: US\$ 2,655.00 (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/CD9CCCE71A52EN.html>