

The Global Market for Carbon Black 2024-2035

https://marketpublishers.com/r/G8F43936DAB1EN.html

Date: March 2024

Pages: 148

Price: US\$ 1,250.00 (Single User License)

ID: G8F43936DAB1EN

Abstracts

The Global Market for Carbon Black 2024-2035 provides valuable insights into the carbon black industry, covering essential aspects such as an overview of different types, including furnace black, sustainable alternatives, and their commercial availability. The report offers a detailed understanding of carbon black properties, manufacturing processes, and diverse market applications.

The report examines the latest trends in sustainable carbon black production, including methane pyrolysis, recovered carbon black (rCB), and bio-based options. It discusses how these eco-friendly alternatives are reshaping the industry and driving innovation. The global market for carbon black is analyzed, with detailed segmentation by type, enduser market, and region. The report identifies growth opportunities in traditional sectors like tires and automotive, as well as emerging applications in 3D printing, energy storage, high-performance plastics, and wearable electronics.

The report provides information on recent market developments, pricing trends, and production capacities. It also includes comprehensive profiles of key players in the carbon black industry, offering insights into their strategies and offerings.

With a focus on specialty and recovered carbon black, this report presents a unique perspective on these high-value segments. It discusses their sustainability aspects, pricing dynamics, and market potential across various applications. Report contents include:

Carbon Black Overview

Types and Properties

Manufacturing and Markets



Sustainability and Competing Materials

Pricing and Forecasts

Specialized Carbon Blacks

Methane Pyrolysis Carbon Black

Specialty Carbon Black

Recovered Carbon Black (rCB)

Bio-based Carbon Black

Global Market Analysis

Market Segmentation by Type, Application, and Region

Traditional and Growth Markets

Market Dynamics and Supply Chain

Pricing and Production Capacities

63 Company Profiles. Companies profiled include Birla Carbon, Cabot Corporation, Delta-Energy Group L.L.C., Enrestec, Epsilon Carbon, LD Carbon, Monolith Materials, Our Carbon, Pyrum Innovations AG, Scandinavian Enviro Services AB, Tokai Carbon and Waverly Carbon.



Contents

1 CARBON BLACK OVERVIEW

- 1.1 Types
- 1.2 Furnace carbon black
- 1.3 Sustainable Carbon Blacks
- 1.4 Commercially available carbon black
- 1.5 Properties of carbon black
 - 1.5.1 Particle size distribution
 - 1.5.2 Structure-Aggregate size
 - 1.5.3 Surface chemistry
 - 1.5.4 Agglomerates
 - 1.5.5 Colour properties
 - 1.5.6 Porosity
 - 1.5.7 Physical form
- 1.6 Manufacturing processes
- 1.7 Markets for carbon black
- 1.8 Sustainability
 - 1.8.1 Initiatives for furnace black
 - 1.8.2 Tire industry sustainability targets
 - 1.8.3 Methane Pyrolysis
 - 1.8.4 Recovered Carbon Black (rCB)
 - 1.8.5 Bio-based carbon black
- 1.9 Competing materials
- 1.10 Pricing and forecasts

2 METHANE PYROLYSIS CARBON BLACK

- 2.1 Overview
- 2.2 Sustainability
- 2.3 Markets and applications
- 2.4 Pricing
- 2.5 Market players

3 SPECIALTY CARBON BLACK

- 3.1 Overview
- 3.2 Sustainability



- 3.3 Markets and pplications
- 3.4 Pricing
- 3.5 Market players

4 RECOVERED CARBON BLACK (RCB)

- 4.1 Overview
- 4.2 Specifications
 - 4.2.1 Consistency
 - 4.2.2 Ash Content
 - 4.2.3 Char Content
 - 4.2.4 Volatile Content and PAH Content
 - 4.2.5 Contaminations
 - 4.2.6 Milling and Granulation
 - 4.2.7 In-Rubber Performance
- 4.3 Sustainability
- 4.4 Categories for recovered carbon black (rCB)
- 4.5 Production
 - 4.5.1 Pyrolysis of End-of-Life Tires (ELT)
 - 4.5.2 Discontinuous ("batch") pyrolysis
 - 4.5.3 Semi-continuous pyrolysis
 - 4.5.4 Continuous pyrolysis
- 4.6 Markets and Applications
- 4.7 Pricing
- 4.8 Market players

5 BIO-BASED CARBON BLACK

- 5.1 Overview
- 5.2 Sustainability
- 5.3 Markets and Applications
- 5.4 Pricing
- 5.5 Market Players

6 GLOBAL MARKET FOR CARBON BLACK

- 6.1 By type (tons)
- 6.2 By market (tons)
- 6.3 By market (revenues)



- 6.4 By region (Tons)
- 6.5 Global market for Specialty Carbon Black (tons)
- 6.6 Global market for Recovered Carbon Black (Tons)
- 6.7 Traditional markets
 - 6.7.1 Tires and automotive
 - 6.7.2 Non-Tire Rubber (Industrial rubber)
- 6.8 Recent market news and developments, 2021-2024
- 6.9 Growth markets
 - 6.9.1 3D Printing
 - 6.9.2 Energy Storage
 - 6.9.3 Sustainable Tires
 - 6.9.4 High-Performance Plastics
 - 6.9.5 Filtration Media
 - 6.9.6 Gas Storage
 - 6.9.7 Wearable Electronics
 - 6.9.8 EMI Shielding
 - 6.9.9 Thermal Management
 - 6.9.10 Sensors and Actuators
- 6.10 Market supply chain
- 6.11 Pricing
 - 6.11.1 Feedstock
 - 6.11.2 Commercial carbon black
- 6.12 Production capacities (metric tons)

7 COMPANY PROFILES 96 (63 COMPANY PROFILES)

- **8 RESEARCH METHODOLOGY**
- 9 GLOSSARY OF TERMS
- 10 REFERENCES



List Of Tables

LIST OF TABLES

- Table 1. Key types of carbon black.
- Table 2. Markets and applications furnace carbon black.
- Table 3. Production of Sustainable Carbon Black.
- Table 4. Commercially available carbon black grades.
- Table 5. Comparative analysis of the properties of the carbon black types.
- Table 6. Typical properties of carbon black and influence on performance.
- Table 7. Carbon black compounds.
- Table 8. Carbon black manufacturing processes, advantages and disadvantages.
- Table 9. Markets for carbon black.
- Table 10. Carbon black pricing per type and forecast (2023, 2025-2030).
- Table 11. Methane pyrolysis carbon black markets.
- Table 12. Methane pyrolysis carbon black pricing.
- Table 13. Methane pyrolysis carbon black producers.
- Table 14. Production Methods for specialty carbon black.
- Table 15. Key Properties of Specialty Carbon Black.
- Table 16. Markets and applications for specialty carbon black.
- Table 17. Specialty carbon black pricing.
- Table 18. Specialty carbon black producers.
- Table 19. Production Methods for recovered carbon black (rCB).
- Table 20. Specifications of Recovered Carbon Black
- Table 21. Categories for recovered carbon black (rCB) based on key properties and intended applications.
- Table 22. rCB post-treatment technologies.
- Table 23. Markets and applications for recovered carbon black.
- Table 24. Recovered carbon black pricing.
- Table 25. Recovered Carbon Black (rCB) producers.
- Table 26. Production Methods for bio-based carbon black.
- Table 27. Markets and applications for Bio-based carbon black.
- Table 28. Pricing of bio-based carbon black.
- Table 29. Bio-based carbon black producers.
- Table 30. Global market for carbon black 2018-2034, by type (100,000 tons).
- Table 31. Global market for carbon black 2018-2034, by end user market (100,000 tons).
- Table 32. Global market for carbon black 2018-2034, by end user market (billion USD).
- Table 33. Global market for carbon black 2018-2034, by region (100,000 tons).



- Table 34. Specialty carbon black demand, 2018-2035 (000s Tons), by market.
- Table 35. Recovered carbon black demand, 2018-2035 (000s Tons), by market.
- Table 36. Market drivers for carbon black in the tire industry.
- Table 37. Global market for carbon black in tires (100,000 metric tons), 2018 to 2035.
- Table 38. Recent carbon black market news and developments.
- Table 39. Market supply chain for carbon black.
- Table 40. Pricing of carbon black by market and grade, per ton.
- Table 41. Carbon black capacities, by producer.
- Table 42. Glossary of terms.



List Of Figures

LIST OF FIGURES

- Figure 1. Electron microscope image of carbon black.
- Figure 2. Different shades of black, depending on the surface of Carbon Black.
- Figure 3. Structure- Aggregate Size/Shape Distribution.
- Figure 4. Surface Chemistry Surface Functionality Distribution.
- Figure 5. Sequence of structure development of Carbon Black.
- Figure 6. Carbon Black pigment in Acrylonitrile butadiene styrene (ABS) polymer.
- Figure 7. Methane-pyrolysis process.Image: C-Zero.
- Figure 8. Comparative analysis of carbon black with competing materials.
- Figure 9. Goodyear tire produced using carbon black produced via methane pyrolysis.
- Figure 10. Pyrolysis process: from ELT to rCB, oil, and syngas, and applications thereof.
- Figure 11. Global market for carbon black 2018-2034, by type (100,000 tons).
- Figure 12. Global market for carbon black 2018-2034, by end user market (100,000 tons).
- Figure 13. Global market for carbon black 2018-2034, by end user market (billion USD).
- Figure 14. Global market for carbon black 2018-2034, by region (100,000 tons).
- Figure 15. Specialty carbon black market volume, 2018-2035 (000s Tons), by market.
- Figure 16. Recovered carbon black demand, 2018-2035 (000s Tons), by market.
- Figure 17 Break-down of raw materials (by weight) used in a tire.
- Figure 18. Global market for carbon black in tires (100,000 metric tons), 2018 to 2035.
- Figure 19. The CIRCTEC process.
- Figure 20. Nike Algae Ink graphic tee.
- Figure 21. HTC primary particles (left) form as "grapelike" aggregates during the conversion of lignocellulosic biomass to platform intermediates including CMF and HTC. The structure of these aggregates is complex and similar to (right) N660 carbon black

derived from oil.

Figure 22. UPM biorefinery process.



I would like to order

Product name: The Global Market for Carbon Black 2024-2035

Product link: https://marketpublishers.com/r/G8F43936DAB1EN.html

Price: US\$ 1,250.00 (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/G8F43936DAB1EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970