

# The Global Market for Carbon Black 2023-2033

https://marketpublishers.com/r/GDFF88DCC9CEEN.html Date: May 2023 Pages: 160 Price: US\$ 1,250.00 (Single User License) ID: GDFF88DCC9CEEN

## **Abstracts**

Carbon black is a reinforcement and performance additive for plastic and rubber compounds to improve resilience, strength, and conductivity of end products. Main markets for carbon black are rubber (tyre and other rubber goods) and non-rubber (plastics, cables, conductive additives, inks & paints etc.). Specialty carbon black and recovered carbon black (rCB) are also increasingly important elements of the overall market.

Escalating prices for carbon black oil, a primary element of carbon black, has made the filler more expensive in recent years. Supply chain issues have also affected the market. Addressing these issue is challenging but carbon black demand is forecast to increase in the coming years.

The Global Market for Carbon Black 2023-2033 is an essential resource for anyone involved in the carbon black industry. The report provides extensive proprietary data on producers, carbon black capacities, capacity utilization, production, trade, demand, applications, market share, and pricing.

Report contents include:

The market for carbon black in 2023, and future outlook.

Market drivers, trends, supply chain, challenges and recent industry news.

Innovation and sustainability in the carbon black market.

Global market size, volumes and revenues, 2014-2023. Regional market demand data.



Competitive analysis.

Analysis of the market for specialty carbon black including markers, producers, capacities and revenues.

Analysis of the market for recovered carbon black (carbon black filler recycled from end-of-life tires) including producers, capacities and planned expansions and production technology.

Carbon black pricing.

Companies profiled include Asahi Carbon (Bridgestone), Birla Carbon, Black Bear Carbon, Cabot Corporation, CSRC Group, Denka Company, Finster Black Pvt Ltd., Hexing Chemical Industry, Imerys Graphite & Carbon, Jiangsu CNano Technology, Jiangxi Black Cat Carbon Black Inc., Ltd., Ketjen Black International Company, Klean Industries, LD Carbon, Lion Specialty Chemicals Co., Ltd., Mitsubishi Chemical, Monolith Materials, OCSiAl Group, Omsk Carbon Group, Orion Engineered Carbons, PCBL Limited, Scandinavian Enviro Systems, Shanxi Yongdong Chemistry Industry, TAKREER, Tokai Carbon, Unipetrol, a.s., and Zhongyi Coal Chemical Industry.

What you will receive:

Report by email (PDF)-print option also available.

Comprehensive Excel spreadsheet of all the data.

Mid-year update.



## Contents

#### **1 EXECUTIVE SUMMARY**

- 1.1 The current market
- 1.2 Innovation in the carbon black market
- 1.3 Market threat from other materials
- 1.4 Automotive tyres the dominant end user market
- 1.5 Impact of the war in Ukrainian on the carbon black market
- 1.6 Specialty carbon black market
- 1.7 Recovered carbon black (rCB) market
- 1.8 Sustainability in the carbon black industry
- 1.9 Global market size and revenues, 2014-2023

#### 2 RESEARCH METHODOLOGY

- 2.1 Scope of the report
  - 2.1.1 Objective of the report
  - 2.1.2 Methodology

#### **3 INTRODUCTION**

- 3.1 What is carbon black?
  - 3.1.1 Properties
    - 3.1.1.1 Particle size distribution
    - 3.1.1.2 Structure-Aggregate size
    - 3.1.1.3 Surface chemistry
    - 3.1.1.4 Agglomerates
  - 3.1.1.5 Colour properties
  - 3.1.1.6 Porosity
  - 3.1.1.7 Physical form
- 3.2 Manufacturing processes
  - 3.2.1 Furnace Black Process
  - 3.2.2 Channel Black Process
  - 3.2.3 Acetylene Black Process
  - 3.2.4 Lamp Black Process
  - 3.2.5 Thermal black process
  - 3.2.6 Other processes
- 3.3 REACH 2022



3.4 Policy Frameworks and Safety Regulation

### 4 THE CARBON BLACK INDUSTRY

- 4.1 The market in 2022
- 4.2 Market outlook for 2023 and beyond
- 4.3 Specialty carbon black
- 4.3.1 Specialty furnace blacks
- 4.3.2 Superconductive blacks
- 4.3.3 Modified furnace blacks
- 4.3.4 Thermal blacks
- 4.3.5 Acetylene blacks
- 4.3.6 Gas & Lamp blacks
- 4.3.7 Carbon Nanotubes
- 4.3.8 Key players
- 4.4 Recovered carbon black
  - 4.4.1 Tyre pyrolysis
    - 4.4.1.1 Discontinuous ("batch") pyrolysis
    - 4.4.1.2 Semi-continuous pyrolysis
  - 4.4.1.3 Continuous pyrolysis
  - 4.4.2 Key players
- 4.4.3 Capacities
- 4.5 Markets for carbon black
- 4.5.1 Traditional markets
- 4.5.2 Growth markets
- 4.5.3 Pricing
- 4.6 MARKET SUPPLY CHAIN
- 4.7 MARKET DRIVERS
- 4.8 MARKET CHALLENGES
- 4.9 CARBON BLACK MARKET, BY APPLICATIONS
  - 4.9.1 Tyres and automotive
  - 4.9.1.1 Competition from precipitated silica
  - 4.9.2 Non-Tyre Rubber (Industrial rubber)
  - 4.9.3 Other markets
  - 4.9.4 Specialty Carbon Black
    - 4.9.4.1 Plastics
    - 4.9.4.2 Paints and coatings
  - 4.9.4.3 Printing inks and toners
  - 4.9.4.4 Conductive polymers



- 4.9.4.5 Conductive additives
- 4.9.4.6 Batteries
- 4.9.4.7 Insulation
- 4.9.4.8 Adhesives
- 4.9.5 Recovered Carbon Black
  - 4.9.5.1 Tires
  - 4.9.5.2 Catalysts
- 4.9.5.3 Rubber
- 4.9.5.4 Plastics
- 4.9.5.5 Cement
- 4.9.5.6 Batteries
- 4.9.5.7 Supercapacitors
- 4.9.5.8 Adsorbents
- 4.10 REGIONAL MARKETS
  - 4.10.1 Asia-Pacific
    - 4.10.1.1 China
  - 4.10.1.2 India
  - 4.10.2 Western Europe
  - 4.10.3 North America
  - 4.10.4 Rest of the world

## **5 CARBON BLACK MARKET DEVELOPMENTS 2020-2023**

## **6 COMPETITIVE ANALYSIS**

- 6.1 Key players
- 6.2 Market share analysis

## 7 CARBON BLACK PRODUCER PROFILES 112 (48 COMPANY PROFILES)

## **8 REFERENCES**



## **List Of Tables**

#### LIST OF TABLES

- Table 1. Applications of advanced materials in rubber and tyres.
- Table 2. Global carbon black forecast (tons).
- Table 3. Commercially available carbon black grades.
- Table 4. Properties of carbon black and influence on performance.
- Table 5. Carbon black compounds.
- Table 6. Furnace black process.
- Table 7. Channel black process-method, advantages and disadvantages.
- Table 8. Acetylene black process-method, advantages and disadvantages.
- Table 9. Lamp black process-method, advantages and disadvantages.
- Table 10. Thermal black process-method, advantages and disadvantages.
- Table 11. Other carbon black manufacturing processes.
- Table 12. Recovered carbon black producers.
- Table 13. Pricing of carbon black.
- Table 14. Carbon black prices.
- Table 15. Market supply chain for carbon black.
- Table 16. Market drivers for the carbon black industry.
- Table 17. Market challenges in the carbon black industry.
- Table 18. Demand for carbon black, by market, 2014-2033, million metric tons.
- Table 19. Market drivers for CB in the tyre industry.
- Table 20. Global market for carbon black in tyres (Million metric tons), 2014-2033.
- Table 21. Carbon black non-tyre applications.
- Table 22. Global market for carbon black in non-tyre rubber (Million metric tons), 2014 to 2033.
- Table 23. Other markets for carbon black.
- Table 24. Global demand for specialty carbon black 2014-2033 by market, million metric tons.
- Table 25. Properties of Carbon Black utilized in EDLCs.
- Table 26. Principal carbon black suppliers, by region.
- Table 27. Asia-Pacific market for carbon black 2014 to 2033 (Metric tons).
- Table 28. Main carbon black producers in China and production capacities.
- Table 29. Main carbon black producers in India and production capacities.
- Table 30. Western Europe market demand for carbon black 2014 to 2033 (Metric tons).
- Table 31. North American demand for carbon black 2014 to 2033 (Metric tons).
- Table 32. Rest of the world market demand for carbon black 2014 to 2033 (Metric tons).
- Table 33.Carbon black market developments 2020-2023.



Table 34. Carbon black market share, by leading producers.



## **List Of Figures**

#### LIST OF FIGURES

- Figure 1. Global Carbon Black Market 2022, by End User Markets.
- Figure 2. Antistatic graphene tyre.
- Figure 3. Global carbon black market for tyres, 2022.
- Figure 4. Global market for specialty carbon black, by end user demand.
- Figure 5. Global market for carbon black (metric tons), 2014 to 2033.
- Figure 6. Electron microscope image of carbon black.
- Figure 7. Different shades of black, depending on the surface of Carbon Black.
- Figure 8. Structure- Aggregate Size/Shape Distribution.
- Figure 9. Surface Chemistry Surface Functionality Distribution.
- Figure 10. Sequence of structure development of Carbon Black.
- Figure 11. Carbon Black pigment in Acrylonitrile butadiene styrene (ABS) polymer.
- Figure 12. Furnace black Process.
- Figure 13. Channel Black Process.
- Figure 14. Lampblack Process.
- Figure 15. Thermal black process.
- Figure 16. Global market for carbon black in 2022 by market.
- Figure 17. Applications of specialty carbon black.
- Figure 18. Pyrolysis process: from ELT to rCB, oil, and syngas, and applications thereof.
- Figure 19. Global carbon black market by application in 2022 (million Metric tons).
- Figure 20. Demand for carbon black, by market, 2014-2033, million metric tons.
- Figure 21. Break-down of raw materials (by weight) used in a tyre.
- Figure 22. Precipitated silica in car tyres.
- Figure 23. Passenger car and light truck replacement tyre market 2022 (million units).
- Figure 24. Commercial vehicle replacement tyre market 2022 (million units).
- Figure 25. Global Market for Carbon Black in tyres, by type 2022.
- Figure 26. Global market for carbon black in tyres (Million metric tons), 2014-2033.
- Figure 27 Global market for carbon black in non-tyre rubber (Million metric tons), 2014 to 2033.
- Figure 28. Global Market for specialty carbon black, by type 2022.

Figure 29. Global demand for specialty carbon black 2014-2033 by market, million metric tons.

Figure 30. Global market for carbon black in plastics (Million metric tons), 2014 to 2033. Figure 31. Global market for carbon black in paints and coatings (Million metric tons), 2014 to 2033.



Figure 32. Global market for carbon black in printing inks and toners (Million metric tons), 2014 to 2033.

Figure 33. Demand for carbon black by regional market 2022.

Figure 34. Demand for carbon black by regional market 2014-2033, metric tons.

Figure 35. CB capacity by region 2006-2022.

Figure 36. Asia-Pacific market for carbon black 2014 to 2033 (Metric tons).

Figure 37. China market for carbon black 2014 to 2033 (Metric tons).

Figure 38. India market for carbon black 2014 to 2033 (Metric tons).

Figure 39. Western Europe market demand for carbon black 2014 to 2033 (Metric tons).

Figure 40. North American demand for carbon black 2014 to 2033 (Metric tons).

Figure 41. Rest of the world market demand for carbon black 2014 to 2033 (Metric tons).

Figure 42. Main global rubber carbon black producers market share by capacity.

Figure 43. KETJENBLACK Highly Electro-Conductive Carbon Black.



### I would like to order

Product name: The Global Market for Carbon Black 2023-2033 Product link: <u>https://marketpublishers.com/r/GDFF88DCC9CEEN.html</u> 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: <u>info@marketpublishers.com</u>

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/GDFF88DCC9CEEN.html</u>

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 <u>https://marketpublishers.com/docs/terms.html</u>

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