

## **Carbon Black Market Size, Share and Growth Analysis Report - Forecast Trends and Outlook (2025-2034)**

Market Report | 2025-08-13 | 177 pages | EMR Inc.

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### **Report description:**

The global carbon black market attained a value of USD 17.82 Billion as of 2024 and is anticipated to grow at a CAGR of 5.70% during the forecast period of 2025 to 2034. Growing tire demand, increasing automotive and construction industries, rising industrial rubber uses, and expanding plastic and coatings industries propel the growth of the global carbon black market. The market is thus expected to reach a value of nearly USD 31.02 Billion by 2034.

#### Global Carbon Black Market Growth

The global carbon black market has been reporting a steady upward trend due to increasing demand in many sectors including automotive, construction, and manufacturing. In tire production, carbon black is a major ingredient that enhances properties and increases the service life of rubber products, plastics, coatings, and inks. The automotive sector uses the most carbon black, with demand for replacement tires still on the rise owing to continued strong vehicle production across the globe.

The market dynamics also depend on environmental regulation and sustainability issues. Emission regulations are being imposed by governments worldwide, prompting producers to invest in energy-efficient processes and recovered carbon blacks. This factor has great potential to open up newer avenues for sustainable carbon black solutions-and thus support market growth for carbon black. The market also has opportunities for growth through the increase in carbon black applications in specialty areas such as electronics, coatings, and conductive materials. Industrialization in the emerging markets, particularly India and China, further inflates the carbon black demand.

Capturing these trends, companies are increasing their manufacturing capabilities, improving supply chains, and developing formulations for their products to spur demand for carbon black. Despite the challenges of raw material price volatility and high environmental compliance costs, the global carbon black market is set to grow massively. Strategic alliances and the introduction of new technologies will drive the industry's future growth.

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## Key Trends and Recent Developments

Sustainability, innovation, and emerging market demand propel carbon black expansion by rCB, nanotechnology, and green production, and thus are propelling the carbon black market dynamics and trends.

### March 2024

Mitsubishi Chemical Group prepared BiOpreg #400 Series, a prepreg made up of carbon fiber and resin of plant origin, with a biomass content of up to 25%. It performs the same as conventional prepreg, while also contributing to sustainable mobility and industrial applications. Therefore, Mitsubishi intends to use it in automobile and sports applications.

### August 2024

PCBL Limited is raising its carbon black capacity to 1,000,000 MTPA in FY 2027-28 to address increased global demand. The strategy consists of new Mundra and Tamil Nadu facilities to raise capacity by 770,000 MTPA. This expansion strengthens PCBL's market position amid shifting industry dynamics.

### January 2024

Birla Carbon is expanding carbon black capacity by 240 kMT with new plants in India and Thailand, operational by 2025. These state-of-the-art facilities will support growing demand in Asia. The company also advances sustainability initiatives while progressing with expansions in Hungary and India.

### September 2023

Cabot Corporation increased prices globally by up to 9% for specialty carbon black products starting November 1, 2023, due to rising operational, maintenance, and environmental compliance costs. This ensured continued supply reliability, regulatory compliance, and investment in product innovation while maintaining high-quality carbon black solutions.

### Recovered Carbon Black (rCB)

Increasing environmental pressures prompt the use of rCB from recycled tires to minimize carbon footprints. Businesses invest in circular economy models and improved pyrolysis technology in order to manufacture environmentally sustainable carbon black, in compliance with regulatory needs and expanding green product portfolios, thus pushing the growth of carbon black market.

### Nanostructured Carbon Black

Nanotechnology innovations allow for the production of high-performance carbon black with enhanced conductivity, reinforcement, and dispersion characteristics. Specialty applications in electronics, batteries, and high-strength composites are targeted by companies, addressing advanced material requirements in the automotive and aerospace industries.

### Sustainability and Green Manufacturing

Environmental protection policies and business sustainability objectives are catalyzing a movement towards environmentally friendly carbon black production. Businesses are embracing cleaner production processes, investing in recovered carbon black (rCB), and seeking bio-based substitutes to minimize carbon emissions and improve their green credentials in a more eco-aware

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market, and thus aiding in shaping new trends in the carbon black market.

### Rising Demand in Emerging Markets

Growing industrialization and urbanization in countries like China, India, and Brazil are propelling carbon black consumption in the automotive, construction, and manufacturing sectors. Companies are constructing manufacturing facilities, strengthening domestic supply chains, and forming strategic partnerships to leverage the favorable growth opportunities in these markets.

### Carbon Black Market Trends

The global carbon black market is transforming with major trends dictating its growth. Sustainability is among the strongest drivers, and more usage of recovered carbon black (rCB) and green production techniques are being used to minimize emissions. The demand for specialty carbon black for high-performance uses, such as electronics, coatings, and advanced polymers, is also on the rise, thus underpinning the demand for carbon black.

Emerging markets are witnessing the rapid pace of industrialization, thus stimulating demand across the automotive, construction, and the sphere of industrial markets. The whetting of further technology development in nanostructured and bio-based carbon black is augmenting product performance and sustainability. All these trends will have a momentous impact on the carbon black market in the future. Organizations are targeting expansion of production capacity, optimization of the supply chain, and investments into research and development to keep up with the growing demands.

### Carbon Black Industry Segmentation

The EMR's report titled "Carbon Black Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

#### Market Breakup by Product

- Acetylene Black
- Furnace Black
- Thermal Black
- Others

#### Market Breakup by Grade

- Speciality Carbon Black
- Rubber Carbon Black

#### Market Breakup by End Use

- Industrial
- Printing and Packaging
- Building and Construction
- Transportation
- Others

#### Market Breakup by Region

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- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Carbon Black Market Share

Specialty carbon black is gaining momentum with its improved properties like higher conductivity, UV stability, and color strength. Growing demand from coating, plastic, and electronic applications is driving market growth, with companies investing in improved formulations for high-performance uses.

According to global carbon black market analysis, rubber carbon black remains pre-eminent, driven by increasing tire manufacture and rubber use across industry. The automotive and building sectors worldwide are driving demand, and sustainability trends influence the uptake of recovered carbon black (rCB). Producers are optimizing process efficiency and increasing capacity to service increasing needs.

Both grades are driven by technological progress, regulatory actions, and rising industrialization as per the global carbon black industry analysis and thus serve as a key driver of the growth of the global carbon black market.

#### Competitive Landscape

Major carbon black market players are focusing on increasing capacities, investing in green manufacturing, and embracing innovative technologies such as recovered carbon black (rCB) and nanostructured carbon black. Carbon black companies are consolidating supply chains, establishing strategic alliances, and seeking new geographies for growth. The companies are also diversifying product lines, focusing on specialty carbon black for high-performance use, and adhering to strict environmental regulations. Innovation, sustainability, and market development strategies are imperative in attaining long-term growth and competitiveness.

#### Birla Carbon

Birla Carbon, established in 1921 and based in Mumbai, India, is a global leader in the production of carbon black products for tires, rubber, plastics, coatings, and inks. The organization is committed to sustainable and high-performance carbon black innovations, including circular economy initiatives.

#### Cabot Corporation

Cabot Corporation, founded in 1882 and based in Boston, USA, produces carbon black for applications in tires, coatings, electronics, and specialty materials. It specializes in advanced material solutions like conductive carbon black and sustainable solutions.

#### Continental Carbon Company

Continental Carbon Company, established in 1936 and based in Houston, USA, is a manufacturer of high-quality carbon black for applications in rubber, plastic, and specialty products. It emphasizes innovation and efficiency in production.

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Orion Engineered Carbons S.A.

Orion Engineered Carbons S.A., founded in 2011 and headquartered in Luxembourg, offers a broad portfolio of specialty and rubber carbon black with a high emphasis on technology and sustainability to the consumer, industrial, and automotive markets.

Other key players in the carbon black market report include PCBL Limited, Mitsubishi Chemical Corporation, Jiangxi Black Cat Carbon Black Co., Ltd., Tokai Carbon Co., Ltd., Longxing Chemical Stock Co., Ltd., Omsk Carbon Group, and Imerys S.A., among others.

More Insights On

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