

UAE Carbon Black Market Assessment, By Type [Furnace Black, Acetylene Black, Thermal Black, Channel Black, Others], By Functionality [Tire improvement, Conductivity, Surface enhancement, Others], By Application [Tire, Footwear, Belts, Tubes and hoses, Extruded profiles, Printing Inks, Battery electrodes, Others], By End-use [Textile, Automotive, Construction, Manufacturing), Plastics, Others], By Region, Opportunities and Forecast, 2016-2030F

<https://marketpublishers.com/r/UA0E4BA3CA15EN.html>

Date: February 2025

Pages: 122

Price: US\$ 3,300.00 (Single User License)

ID: UA0E4BA3CA15EN

Abstracts

UAE Carbon Black Market size was valued at USD 202.64 million in 2022, expected to reach USD 326.16 million in 2030 with a CAGR of 6.13% for the forecast period between 2023 and 2030. The UAE's emphasis on economic diversification and industrial development is one of the strongest drivers for carbon black industry. The nation has been actively developing various sectors, which includes construction, manufacturing, and automotive, as part of ongoing efforts to lessen dependence on oil and gas. The need for carbon black in these sectors is increased owing to the growing demand for coatings, rubber goods, and construction materials.

UAE has been making significant investments in the development of commercial and residential projects, as well as transportation infrastructure. Carbon black is a necessary component in building materials like asphalt and concrete. The expansion of these projects adds to the UAE's overall demand for carbon black.

Lastly, the automotive sector is another significant contributor to the carbon black market in the UAE. With so many vehicles on the road, there is a sizable demand for

tires, rubber parts, and coatings. With its strengthening and colouring abilities, carbon black is frequently used in producing tires and other automotive products. The expansion of the automotive industry directly impacts the demand for carbon black in the UAE.

Growing Automotive Sector

UAE has a thriving automotive industry. Carbon black is widely used in the production of tires, rubber parts, and automotive coatings. The expansion of the automotive sector directly impacts the nation's demand for carbon black. In 2022, the UAE's overall automotive market expanded by 9.3% compared to its growth in 2021. The expansion of the automotive industry has been increasing the demand for carbon black in the UAE.

The UAE also has a sizable tire manufacturing industry, producing tires for domestic and international markets. A vital ingredient in tire production, carbon black adds strength, durability, and abrasion resistance. The UAE carbon black market is primarily driven by the demand for carbon black from the tire manufacturing sector, driven by domestic and international tire demand.

Rising Infrastructure Developments

Construction and infrastructure development have progressed rapidly in the UAE in recent years. Carbon black is used to improve the properties of different building materials like concrete, asphalt, and roofing. The growth of the infrastructure and construction industries increases the demand for carbon black. For instance, the USD 2.7 billion Sheikh Zayed double-deck road project is one of many transportation and road infrastructure projects the UAE is currently undergoing. There are also other unconventional transportation projects, such as the USD5.9 billion proposed Dubai to Abu Dhabi Hyperloop among others.

The high-level unique projects make use of lot of carbon black to strengthen the building materials used in this construction. Therefore, the demand for carbon black will likely rise along with the increasing large scale infrastructure projects.

Strong Renewable Energy Growth

The UAE is actively pursuing projects involving solar and wind energy. Electrodes and conductive materials for energy storage systems are made using carbon black. The UAE is expected to continue investing in renewable energy infrastructure, increasing the

demand for carbon black for these applications.

UAE saw the largest increase in renewable energy capacity over the past ten years, which indicates the government's primary focus on putting programs into places to achieve its net-zero ambitions. UAE's renewable energy capacity increased from a meagre 13 MW in 2011 to 2,540 MW in 2020. This level of investments from the government will continue to drive up the demand for carbon black in the UAE market.

Impact of COVID-19

The pandemic caused global supply chains to break down, which had an impact on the supply of components and raw materials needed to produce carbon black. International trade restrictions and logistical difficulties hampered the supply chain, causing delays and shortages in the market.

Additionally, economic activity slowed down along with consumer spending because of the COVID-19 pandemic. Construction, automotive and manufacturing sectors are the three major consumers of carbon black were directly impacted by weakened buying sentiments. The decline in demand from these sectors impacted the overall demand for carbon black in the UAE market.

Finally, most of the carbon black manufacturing facilities in the UAE and around the world had to temporarily shut down or operate at reduced capacity to adhere to lockdown regulations and guarantee the safety of their workforce. This further disrupted the availability of carbon black in the UAE market.

Impact of Russia-Ukraine War

The Russian Ukraine has caused an energy insecurity around the world and led to acceleration towards transition into renewable energy and UAE's energy infrastructure. This rise in renewable energy infrastructure increased the demand for carbon black in the country as carbon black is used in several components used in renewable energy projects. However, the rise in energy insecurities raises the prices of upstream crude oil, which in turn increases the manufacturing cost of carbon black and weaken the buying sentiments. Additionally, Businesses might take a cautious stance, which could have an impact on investment choices and the overall market demand for carbon black. Construction, automotive, and manufacturing industries, the three major consumers of carbon black can all experience a slowdown due to economic uncertainty.

Key Players Landscape and Outlook

Key Players of the Carbon Black market in the UAE are developing eco-friendly products and manufacturing processes to align with the country's commitment to net zero carbon emissions by 2050.

The commercial launch of ECORAX Nature, a new line of products created for rubber applications that use industrial-grade, plant-based oils as a sustainable, non-fossil feedstock, was announced by Orion Engineered Carbons GmbH in June 2021. The company's Carbon black business in the Middle East grew due to this product launch.

The UAE carbon black market is anticipated to have a bright future thanks to developments in the automotive industry, infrastructure, sustainability initiatives, and technology as well as economic growth. The demand for carbon black is likely to rise as industrial sectors are developed and the economy is diversified, particularly in the manufacturing, automotive, and construction sectors. In line with the UAE's commitment to lowering carbon emissions and promoting environmentally friendly behaviours, the market may also experience a shift toward more environmentally responsible and sustainable carbon black products.

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*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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