

Saudi Arabia 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, Industrial Belts, Tubes and hoses, Extruded profiles, Printing Inks, Battery electrodes, Others], By End-Use Industry [Textile, Automotive (Passenger Cars (PCs), Light Commercial Vehicles (LCVs), Heavy Commercial Vehicle (HCVs), Others), Construction (Residential, Commercial, Industrial), Manufacturing (Electrical, Auto parts, Colorants, Rubber goods, Others), Plastics, Others], By Region, Opportunities and Forecast, 2016-2030F

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Abstracts

Saudi Arabia Carbon Black Market size was valued at USD 315.28 million in 2022 which is expected to reach USD 499.48 million in 2030 with a CAGR of 5.92% for the forecast period between 2023 and 2030. The demand for carbon black is further fuelled by Saudi Arabia's emphasis on infrastructure development and construction. The nation has been making sizable investments in the construction of buildings, bridges, tunnels, and other forms of infrastructure. These projects, which involve the production of concrete, bridge bearings, tunnel lining, and materials for constructing roads, all make extensive use of carbon black, which helps the demand rise for Carbon Black in Saudi

Arabia.

Another factor supporting the growth of the carbon black market is Saudi Arabia's robust automotive sector. The demand for carbon black, a key ingredient in making tires and other automotive rubber products, is on the rise due to a thriving automotive industry and rising vehicle production. Furthermore, Saudi Arabia's established petrochemical sector contributes significantly to the growth of the carbon black market. Petroleum byproducts are the source of carbon black, and the nation's plentiful petroleum reserves guarantee a steady supply of feedstock for carbon black production.

Finally, concerns about sustainability and the environment are pushing the market towards eco-friendly practices. Carbon black manufacturers in Saudi Arabia are creating sustainable production methods and lower-emission carbon black grades with a focus on sustainability and adherence to environmental regulations. These environmentally friendly carbon black substitutes are growing and becoming more widely used as a result of the market's demand for sustainable products.

Expanding Automotive Sector

The Saudi Arabian carbon black market is heavily influenced by the auto industry. The demand for cars is growing along with the population and disposable income. Since carbon black is a crucial ingredient in the production of tires, demand for it rises as the automotive sector develops.

For example, 160 car factories are currently operational in Saudi Arabia, many of which are dedicated to the production of electric vehicles. These factories create a range of vehicles, engine parts, and accessories to promote innovation and domestic growth. There are 33 factories that make parts, accessories, and engines, 21 factories that make vehicles and structures, including processing facilities, and 106 factories that make trailer and semi-trailer vehicles or trucks, according to the Saudi Ministry of Industry and Mineral Resources. These developments are likely to raise the demand for Carbon Black in Saudi Arabia.

Strong Infrastructure Developments

Saudi Arabia has made significant investments in the construction of its transportation systems, buildings, and industrial facilities. Demand for carbon black, which is used in infrastructure materials like concrete, asphalt, and coatings is fuelled by the expansion of the construction industry.

Saudi Arabia has been working on a number of sizable infrastructure projects as part of its Vision 2030 program, including NEOM, the Red Sea Project, Qiddiya, King Salman Energy Park, Jeddah Tower, and the Riyadh Metro.

As these large-scale projects involves underground construction it raises the demand for Carbon black as it is used to create waterproofing membranes and coatings that are used in the construction of tunnels and other underground structures. Carbon Black guarantee the longevity and structural integrity of the infrastructure while offering protection against water infiltration.

Rise of Renewable Energy

The expansion of renewable energy sources like wind turbines and solar panels in Saudi Arabia is driving up demand for carbon black. Carbon black is used to make components for wind turbines like blades, coatings, and seals, as well as photovoltaic panels and associated materials used in the solar industry.

For example, a 300MW photovoltaic (PV) solar project called Sakaka that is located in Sakaka City, Al Jouf Province, Saudi Arabia, was inaugurated in April 2021. According to Power Technology, the power plant is linked to the nation's electrical grid and will provide more than 75,000 Saudi Arabian homes with enough clean energy to avoid the production of more than 430,000t of carbon dioxide (CO₂) every year.

These kinds of development and installation of renewable energy projects in Saudi Arabia require Carbon Black, driving up the commodities demand in the Country.

Favorable Business Environment

To entice multinational corporations to establish production facilities in the country, Saudi Arabia has been actively promoting foreign investment and business-friendly policies. Saudi Arabia is one of the world's top oil producers, and it also has a thriving petrochemical sector. Because carbon black is made from petroleum byproducts, the easy availability of feedstock and business-friendly policies are major reasons for international companies to establish themselves in Saudi, which in turn is likely to drive up the Saudi Arabia carbon black market.

For instance, among the upcoming petrochemical projects in Saudi Arabia by 2027, the Saudi Aramco Total Refining and Petrochemical Company Al-Jubail Ethylene Plant is a

significant project with a capacity of 1.50 million tons and a cost of USD 2.7 billion says Hydrocarbon Engineering. The facility will provide feedstock to petrochemical and specialty businesses in the industrial city of Jubail.

Stringent Regulations

The Sustainable practices and materials are becoming increasingly important in Saudi Arabia as a result of environmental regulations and concerns. In order to meet market demand and the nation's sustainability goals, carbon black manufacturers are concentrating on creating eco-friendly and sustainable carbon black products.

To address environmental issues and lower carbon emissions, the Saudi Arabian government has been actively taking action. To encourage industries to adopt more sustainable practices and technologies, such as the use of eco-friendly carbon black products, this includes enacting regulations and standards. The demand for environmentally friendly carbon black on the market is fuelled by these governmental initiatives and regulations, which provide manufacturers of carbon black with incentives and opportunities to create and provide sustainable alternatives.

Impact of COVID-19

Numerous infrastructure and construction projects were postponed or abandoned because of the COVID-19 pandemic, weakening Carbon Black demand. The pandemic also affected global supply chains, causing problems with transportation and the availability of raw materials. Production and delivery delays may have been brought on by manufacturers of Carbon Black due to having trouble obtaining raw materials. On the demand side, lockdowns and restrictions caused delays or temporary suspensions in sectors like the automotive and manufacturing industries. The market's demand for carbon black decreased as a result of the decline in demand for products containing carbon black, such as construction materials, tires, and rubber goods in Saudi Arabia. Economic uncertainty was brought on by the pandemic, which resulted in lower consumer and investment spending especially from foreign business.

Impact of Russia-Ukraine War

The Saudi Arabian Carbon Black market was not significantly impacted by the conflict between Russia and Ukraine. However, there were many indirect impacts of the geopolitical unrest on the Saudi Arabia Carbon Black market. Many European countries banned the import of Russian crude oil due to the ongoing war, so the majority of those

European nations turned to Saudi Arabia for their supply of crude oil. The increased export of feedstock crude oil to Europe has resulted in tighter manufacturing conditions for Saudi Arabia Carbon Black manufacturers. However, when Saudi Arabia began acquiring Russian crude oil for domestic purposes, it started to improve the supply situation and eased manufacturing cost for several Saudi Arabian Carbon black manufacturers.

Key Players Landscape and Outlook

Key players of Carbon Black in the Saudi Arabia market are focusing on delivering speciality carbon black with better performances for specific downstream industries to gain edge over the competition.

For instance, to enhance the quality of cast-in-place concrete structures that need an early drying process and provide additional strength, Sabic, a multinational diversified chemicals company with headquarters in Saudi Arabia had introduced carbon black grade N330 during April 2022.

The country's emphasis on infrastructure development, the expansion of the automotive industry, and rising demand from various sectors are expected to be the main drivers of the positive outlook for the carbon black market in Saudi Arabia. In the upcoming years, it is anticipated that ongoing and planned infrastructure projects, as well as advantageous government policies and a thriving industrial sector, will provide growth opportunities for carbon black manufacturers in Saudi Arabia.

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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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