



## Black Granular Coal Based Activated Carbon for Methylene Blue Adsorption

Our Product Introduction

### Basic Information



### Product Specification

- Material: High Quality Anthracite Coal
- Adsorption Capacity:  $\geq 900$  Mg/g
- Particle Size: 1.5mm
- Dimensions: 100\*100\*100 Mm
- Shape: Black Granular
- Burn Residue: No More Than 15%
- Strength: No Less Than 95%
- Impregnated Liq: KOH
- Highlight: **black granular activated carbon for methylene blue**  
, coal based activated carbon for adsorption,  
granular activated carbon with high adsorption



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## Product Description

### Product Description:

Coal-Based Activated Charcoal is a highly effective adsorbent widely used in various industries due to its exceptional adsorption capacity. With an adsorption capacity of at least 900 Mg/g, this product is known for its superior ability to remove impurities, contaminants, and odors from air and liquids.

The Coal-Based Activated Charcoal is formulated in black granular shape, allowing for easy handling and application in different processes. Its unique shape provides a large surface area for adsorption, ensuring maximum efficiency in capturing and retaining unwanted substances.

In addition to its impressive adsorption capacity, this product boasts a low moisture content of no more than 5%. The minimal moisture level enhances the product's stability and shelf life, making it a reliable choice for long-term use.

Furthermore, the Coal-Based Activated Charcoal has a burn residue of no more than 15%, indicating its high purity and quality. The low burn residue ensures that the product leaves minimal waste after use, contributing to a more sustainable and environmentally friendly solution.

As a Chemical Auxiliary Agent, the Coal-Based Activated Charcoal is designed to enhance the efficiency and performance of various industrial processes. Its classification underscores its versatility and broad applicability across different sectors, including water treatment, air purification, food and beverage production, and more.

Overall, the Coal-Based Activated Charcoal stands out as a top choice for industries seeking a reliable and high-performance adsorbent. Its exceptional adsorption capacity, black granular shape, low moisture content, minimal burn residue, and classification as a Chemical Auxiliary Agent make it a valuable asset in achieving superior purification and filtration results.

### Features:

Product Name: Coal Based Activated Carbon

Loading Density: 480-500kg/m3

Iodine: 600-1000mg/g

Classification: Chemical Auxiliary Agent

Strength: No Less Than 95%

Burn Residue: No More Than 15%

### Technical Parameters:

Strength	No Less Than 95%
Adsorption Capacity	≥900 Mg/g
Impregnated Liq	KOH
Port	SHANGHAI
Dimensions	100*100*100 Mm
Particle Size	1.5mm
Appearance	Black Granular Or Powder
Loading Density	480-500kg/m3
Shape	Black Grannular
Methylene Blue Adsorption	≥150 Mg/g

### Applications:

Coal-Based Activated Charcoal is a versatile product that finds application in various industries and scenarios. Its black granular or powder appearance, high iodine content ranging from 600-1000mg/g, loading density of 480-500kg/m3, classification as a Chemical Auxiliary Agent, and low moisture content of ≤5% make it a highly effective and sought-after material.

One of the key application occasions for Coal-Based Activated Charcoal is in water and air purification systems. Its high adsorption capacity and large surface area make it ideal for removing impurities, contaminants, and odors from water and air streams. Industries such as wastewater treatment plants, air filtration systems, and environmental remediation projects can benefit greatly from the use of Coal-Based Activated Charcoal.

Another important scenario for this product is in the pharmaceutical and food industries. The high iodine content of Coal-Based Activated Charcoal makes it suitable for use in medicinal products, where it can adsorb toxins and chemicals. In the food industry, it is commonly used for decolorization, purification, and removal of impurities in food and beverage processing.

Furthermore, Coal-Based Activated Charcoal is widely used in gas masks and respirators for protection against harmful gases and chemicals. Its ability to adsorb and trap toxic substances makes it an essential component in personal protective equipment for industrial workers, firefighters, and emergency response teams.

Additionally, this product is employed in the automotive industry for evaporative emission control systems in vehicles. The high loading density of Coal-Based Activated Charcoal allows for efficient capture and storage of fuel vapors, helping to reduce harmful emissions and comply with environmental regulations.

In conclusion, Coal-Based Activated Charcoal is a valuable material with diverse applications across different industries and scenarios. Its unique properties make it an indispensable solution for purification, adsorption, and protection needs, making it a preferred choice for

businesses and organizations worldwide.



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