河南CarbonFresh活性炭有限公司

Henan CarbonFresh Activated Carbon Co., Ltd.

Parameter	Value
Silver Content	0.1%-1.0%
Moisture (at packaging)	Maximum 10%
BET Surface Area (N_2)	600 m^2/g
Hardness	Minimum 97%
Apparent Density	0.58-0.66g/cm^3

Granule Size Range(U.S.Standard Sieve)
8x30: Max coarse particles 10.0% / Max fine particles 5.0%
12x40: Max coarse particles 10.0% / Max fine particles 5.0%
20x50: Max coarse particles 10.0% / Max fine particles 5.0%

Impregnation Water Volume L/kg Activated Carbon:
Silver Content:
0.1%:16000L/kg
1.0%:128000L/kg

Product Advantages

Certification Standards: Complies with NSF/ANSI 61 certification and EN 12915 standards, ensuring product safety.

Additional Standards: Meets ASTM D5742 ASTM D4607 ASTM D2862 AWWA B604-2012

Packaging Specifications

25 kg bags
500 kg bulk bags
Cylindrical sealed drums
Customized packaging options

During the water purification process, activated carbon can remove organic pollutants and eliminate residual free chlorine. However, the carbon bed and the effluent water flow cannot resist microbial growth, so bacteria will eventually proliferate in the carbon bed, feeding on the retained organic matter.
To control bacterial growth, there are two options: disinfect the activated carbon on demand or use antibacterial activated carbon. Disinfection is most suitable when the purification process runs for several hours daily, although it requires time and skill. However, when the equipment operates for shorter periods, using antibacterial activated carbon is more convenient. This activated carbon is suitable for water purification devices in homes, restaurants, offices, and store kitchens. Antibacterial means that this activated carbon differs from others by not allowing bacteria to grow on its surface.

Product Overview

WPC-51325 is a coconut shell antibacterial activated carbon provided by Carbon Fresh. This product is manufactured by impregnating metal silver onto the surface of the carbon. Our impregnation method ensures a strong chemical bond between the silver and the carbon, minimizing metal leaching and preventing the concentration of silver in treated water from exceeding the maximum allowable limit for drinking water standards. It performs excellently in air purification in enclosed areas, particularly suitable for places like hospitals, pharmaceutical companies, and food production facilities where microbial growth must be avoided.
The water purification capability of silver-impregnated activated carbon depends on the state of the carbon when it loses silver and no longer possesses antibacterial properties. In other words, silver will gradually leach out before saturation.

Disclaimer

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