

WPH[®] Powdered Activated Carbon



Description

WPH[®] is a virgin, high performance powdered activated carbon (PAC) specifically designed to treat potable water. WPH[®] meets or exceeds all applicable AWWA standards per specification B-604-05, and is certified to ANSI/NSF Standard 61 for use in potable water treatment.

Applications

WPH[®] powdered activated carbon is ideally suited for removing taste and odor-causing compounds such as geosmin and methylisoborneol (MIB), as well as herbicides and pesticides such as alachlor, atrazine, and simazine, plus many other soluble organic chemical compounds. It can also be used to treat industrial wastewaters and numerous process applications to remove refractory organic chemicals.

Design Considerations

Powdered carbon is generally mixed with raw water in dosages ranging between 5 and 50 ppm. Longer mixing times result in lower doses. Similarly, higher activity carbons usually require lower doses. For the most cost-effective treatment, PAC should be fed at a point which allows the longest amount of contact time between the powdered carbon and the raw water.

Specifications

Iodine Number	800 mg/g (min)
Moisture as packed by weight	8% (max)
Screen Size by weight, U.S. Sieve Series	
Through 100 mesh	99% (min)
Through 200 mesh	95% (min)
Through 325 mesh	90% (min)

Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable Federal and State requirements.

Features

Bituminous-based raw material
Free flowing powdered carbon
High grind

Benefits

Pore structure provides a wider range of contaminant removal capabilities relative to other starting materials.
Works well in wet or dry injection systems.
Enables more rapid dispersion in water.



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Making Water and Air Safer and Cleaner

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