



**ANTHRACITE**  
Filter Media Company

# CF-460K

## Impregnated Carbon

**CF-460K Impregnated Carbon** is a cylindrical-shaped carbon made from a carefully selected grade of coal. It is pelletized under rigidly controlled conditions using a high quality binder. This activated carbon possesses a high mechanical strength and lends itself well to numerous cycles of regeneration. Its shape offers a low flow resistance.

### **Application**

Enhanced removal of hydrogen sulfide and mercaptans typically found in sewage treatment plants, pulp and paper mills, petroleum refineries and chemical plants.

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### **Unimpregnated Carbon Properties**

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Activity - CCl <sub>4</sub> (ASTM-D-3467)	Minimum 60%
Apparent Density (ASTM-D-2854)	Typical 0.48 g/cm <sup>3</sup>
Hardness (MIL-C-17605B)	Typical 97
Moisture as packed (ASTM-D-2867)	Maximum 5%
Ash (ASTM-D-2866)	Maximum 5%
Surface Area (N <sub>2</sub> BET Method)	Typical 1050 - 1200 m <sup>2</sup> /g
Pore Volume	Typical 0.70 - 0.95 cm <sup>3</sup> /g
Specific Heat at 15 °C	0.65-0.75
Mesh Size	4 X 8 (4 MM)

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### **Impregnated Carbon Properties**

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Apparent Density (ASTM D2854)	.56 g/cm <sup>3</sup> (35 lbs/ft <sup>3</sup> )
Moisture, Maximum	10%
H <sub>2</sub> S Capacity, Minimum (Calgon TM 41R)	0.16 g H <sub>2</sub> S/cm <sup>3</sup> carbon

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### **Caution: Wet Activated Carbon Depletes Oxygen from Air.**

Whenever workers enter a vessel containing carbon, all precautions must be taken since dangerously low levels of oxygen may be encountered. Atmosphere sampling and work procedures for potentially low oxygen areas should be followed.

### **Standard Packaging:**

200 pound drums and 1100 pound supersacks.

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