



## **GC Sulfursorb**

Activated carbons for H<sub>2</sub>S treatment

The **GC Sulfursorb** series of activated carbon are three grades of carbon that are nonimpregnated, catalytic, coal-based, activated carbon which has been specially developed for removing Hydrogen Sulfide (H<sub>2</sub>S) and Sulfur compounds from vapor streams. All are well suited for use in sewage treatment plants and pumping stations where these compounds are typically found. **GC Sulfursorb** carbons give you the high loading rates of impregnated carbons without the thermal risks associated with some chemically treated carbons. Additionally, by water washing this product, some of their H<sub>2</sub>S capacity can be restored.

	<b><u>GC Sulfursorb-A</u></b>	<b><u>GC Sulfursorb-B</u></b>	<b><u>GC Sulfursorb-C</u></b>
Pellet Diameter, mm:	3.9 - 4.1	3.9 - 4.1	3.9 - 4.1
Moisture, % (as packed, max.):	5	5	5
Hardness, %:	95 min	95 min	95 min
CTC, %: (min.)	65	65	55
BET Surface Area, M <sup>2</sup> /g:	950 (min)	950 (min)	900 (min)
Apparent Density, lbs./cu.ft.:	28 - 31	28 - 31	30 - 32
g/cc:	0.45 - 0.50	0.45 - 0.50	0.48 - 0.52
H <sub>2</sub> S Breakthrough Capacity*, gH <sub>2</sub> S/cc carbon (min.):	0.30	0.20	0.10

\*H<sub>2</sub>S capacity is measured using ASTM standard method D6646-01. Testing requires passing a moist air stream containing 1% by volume H<sub>2</sub>S through an appropriately sized column (per ASTM requirements) packed with activated carbon and monitoring to a 50 ppmv H<sub>2</sub>S breakthrough. Results are reported as grams of H<sub>2</sub>S adsorbed per gram of activated carbon.

Standard packaging is in 55 or 1100 lb. vinyl bags. Other packaging is available upon request.

### Safety Precautions

Wet activated carbon scavenges oxygen. Exercise caution when changing media vessels and working in areas with poor ventilation. Ensure adequate ventilation for personal safety. Activated carbon adsorption is exothermic and releases heat as chemicals are adsorbed. Proper air flow through the carbon bed can assist in removing any heat generated. Oxygen may aggravate this condition. If the air flow is below 30 fpm or the contaminant concentrations are high, proper safety measures should be taken. If you have questions, contact General Carbon Corp.