

FILTRATION SPECIALIST



RILEY EQUIPMENT COMPANY

Riley Equipment Company  
6911 Gant Road  
Houston, Texas 77066  
sales@recofiltration.com  
(281) 583-5295 Fax: (281) 583-5299

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## KoH Impregnated Granular Activated Coconut Carbon

Our line of KoH Impregnated Granular Activated Coconut Carbon (VGACC-4x8) is made from coconut shells and activated through high temperature & high pressure steam in order to create the internal pore structures which offer maximum efficiency in the adsorption process. It is desirable to have the greatest possible surface area within the smallest possible volume and Granular Activated Carbon brings that to the table with over 1,210,000 meters of surface area per gram.

**APPLICATION:** Enhanced vapor phase removal of hydrogen sulfide (H<sub>2</sub>S), Sulfur dioxide (SO<sub>2</sub>), Sulfur Compounds, mercaptans, and acid gases typically found in sewage treatment plants, pulp and paper mills, petroleum refineries and chemical plants.

### UNIMPREGNATED CARBON PROPERTIES - BASE MATERIAL:

Total Surface Area, minimum (Bet Method)	1100-1150 m <sup>2</sup> /gm
Bulk Density (lbs./Ft <sup>3</sup> )	30
Apparent Density, minimum (ASTM 2864)	0.45-0.55 gm/cc
Hardness, minimum (ASTM 3802)	98
Iodine Number, minimum (ASTM 04607)	1150 mg/gm
CCL <sub>4</sub> Activity, minimum (ASTM 03467)	60%
Moisture Content, maximum (ASTM 02867)	5%
Ash Content, maximum (ASTM 2866)	10%
Particle Size (U.S. Mesh)	4x8

### Impregnated Carbon Properties – Base Stock + KOH

Bulk Density (lbs./Ft <sup>3</sup> )	35
H <sub>2</sub> S Capacity minimum (Calgon TM 41R)	0.16 gm H <sub>2</sub> S /cc

**Standard Packaging:** 35 lb. boxes. 250 lb. drums. 1280 lb. super sacks available.

**Safety Notice:** Wet Activated Carbon depletes Oxygen and creates a severe safety hazard for people working in confined spaces such as inside filters.

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