

FILTRATION SPECIALIST



RILEY EQUIPMENT COMPANY

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Impregnated Granular Activated Coconut Carbon – CO₂

Our line of Impregnated Granular Activated Coconut Carbon (GACC-CO₂- 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 Carbon Dioxide (CO₂), Hydrogen sulfide (H₂S), Sulfur dioxide (SO₂), 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 ² /gm
Bulk Density (lbs./Ft ³)	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 ₄ 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 + Impregnate

Bulk Density (lbs./Ft ³)	35
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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.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Riley Equipment makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product stability for specific applications. Riley Equipment assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale, or misuse of its products.