

FILTRATION SPECIALIST



RILEY EQUIPMENT COMPANY

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Virgin Granular Activated Coconut Carbon

Our line of Virgin Granular Activated Coconut Carbon in 8x30 mesh (VGACC-8x30) 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: For liquid phase filtration. Commonly used to filter chloramines and organic compounds, including pesticides and herbicides, from drinking water. Uses include cartridge manufacturing for potable water, beverage water, etc. Also can be used for the promotion of oxidation, reduction and elimination reactions.

CARBON PROPERTIES:

Total Surface Area, minimum (Bet Method)	1100-1150 m ² /gm
Bulk Density (lbs./Ft ³)	27.5
Apparent Density, minimum (ASTM 2864)	0.45-0.55 gm/cc
Particle Size Distribution	8x30 U.S. Mesh
Larger than #8 mesh, maximum	5%
Smaller than #30 mesh, maximum	5%
Mean Particle Diameter	1.2 – 1.5 mm
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%

Standard Packaging: 27.5 lb. boxes. 200 lb. drums. 1100 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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