Riley Equipment Company
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Virgin Granular Activated Carbon

Our line of Virgin Granular Activated Carbon in 12x40 mesh (VGAC-12x40) is made from a selected grade of bituminous coal and is produced under rigidly controlled conditions. This carbon also has an excellent distribution of macro-pores and micro-pores which are highly suitable for use in waste treatment and all liquid phase applications.

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 m^2/gm
Bulk Density (lbs./Ft^3)	28
Apparent Density, minimum (ASTM 2864)	.46 gm/cc
Particle Size Distribution	12x40 U.S. Mesh
Larger than #12 mesh	5% maximum
Smaller than #40 mesh	5% maximum
Mean Particle Diameter	0.9 – 1.1mm
Hardness, minimum (ASTM 03802)	95
Iodine Number, minimum (ASTM 04607)	1050 mg/gm
Molasses Number, minimum	200
CCL_4 Activity, minimum (ASTM 03467)	60%
Moisture Content, maximum (ASTM 02867)	5%
Abrasion Number, minimum	80

Standard Packaging: 28 lb. boxes. 215 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.