



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

Virgin Powdered Activated Carbon

Our line of Virgin Powdered Activated Carbon in 300 mesh (VPAC-300) is made from a selected grade of bituminous coal and is produced under rigidly controlled conditions. This carbon 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, medication, etc. Also, can be used for the promotion of oxidation, reduction and elimination reactions.

CARBON PROPERTIES:

Total Surface Area, minimum (BET Method)	900 m ² /gm
Bulk Density (lbs./Ft ³)	33-35
Apparent Density, minimum (ASTM 2864)	.46 gm/cc
Particle Size Distribution	300 U.S. Mesh
Hardness, minimum (ASTM 03802)	95
Iodine Number, minimum (ASTM 04607)	800 mg/gm
Molasses Number, minimum	200
CCL ₄ Activity, minimum (ASTM 03467)	60%
Moisture Content, maximum (ASTM 02867)	5%
Abrasion Number, minimum	80
Available Particle Sizes (U.S. Mesh)	4x8, 8x30, 12x40

Standard Packaging: 55 lb. vinyl bag. , 1,100 lb. Super Sack

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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