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## Acid Washed Granular Coal Based Carbon (Liquid Phase)

Carbonair's acid washed granular coal based carbon is manufactured from selected grades of bituminous coal which has been acid washed to reduce the impurity contents. This adsorbent media is recommended for the removal of a variety of organic hydrocarbons. And it is applicable to processes with very stringent effluent limitations for heavy metals such as lead and arsenic. This adsorbent media is also ideal for the applications where minimal change in pH after carbon treatment is desired.

### Typical Applications

Groundwater, potable water, liquid process purification, decolorization, and dechlorination.

### Typical Contaminants

Petroleum hydrocarbons such as MTBE, BTEX (benzene, toluene, ethylbenzene, xylenes), butylbenzene, isopropylbenzene, isopropylether, propylbenzene, styrene, trimethylbenzene, tetraethyl lead (TEL), low molecular weight PAHs (polyaromatic hydrocarbons such as naphthalene, methylnaphthalene) and high molecular weight PAHs (fluoranthene, phenanthrene, and pyrene).

Chlorinated and brominated hydrocarbons such as bromoform, bromodichloromethane, carbontetrachloride, chlorodibromomethane, chloroform, dibromochloropropane, dichloroethene (DCE), dichloroethane (DCA), ethylenedibromide, trichloroethane (TCA), trichloroethene (TCE), tetrachloroethane, and tetrachloroethene (PCE), and polychlorinated biphenyls (PCBs).

Other organic compounds such as dyes, pesticides, herbicides, insecticides, explosives, phenols, pentachlorophenols, and PCBs.

Inorganic compounds such as chlorine and chloramines.

### Typical Physical Properties\*

Iodine Number	1,000 (minimum)
Molasses Number	200 (minimum)
Apparent density (dense packing)	27-31 lbs/ft <sup>3</sup>
Abrasion Number (Ro-Tap)	75 (minimum)
Moisture Content (as packed)	2% (maximum)
Ash content	0.5% (maximum)
Mesh Size	8x30, 12x40

\* Please consult with Carbonair for your specific application.

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#### Florida

4710 Dignan St.  
Jacksonville, FL 32254  
904.387.4465 *General*  
904.387.5058 *Fax*  
800.241.7833 *Toll-free*  
[sales@carbonair.com](mailto:sales@carbonair.com)

#### Minnesota

7500 Boone Ave. N. #101  
Brooklyn Park, MN 55428  
763.315.4771 *General*  
763.315.4614 *Fax*  
800.526.4999 *Toll-free*  
[sales@carbonair.com](mailto:sales@carbonair.com)

#### Texas

4889 Hunter Rd. Bldg 1-C  
San Marcos, TX 78666  
512.392.0085 *General*  
512.392.0066 *Fax*  
800.893.5937 *Toll-free*  
[sales@carbonair.com](mailto:sales@carbonair.com)

#### Virginia

4003 West Main St.  
Salem, VA 24153  
540.380.5913 *General*  
540.380.5920 *Fax*  
800.204.0324 *Toll-free*  
[sales@carbonair.com](mailto:sales@carbonair.com)