

## Virgin Granular Coal Based Carbon (Liquid Phase)

Carbonair's virgin granular coal based carbon is manufactured from selected grades of bituminous coal which give high adsorption surface area with a broad pore size distribution (micropore, mesopore, and macropore). This carbon is recommended for a variety of organic hydrocarbons.

### Typical Applications

Groundwater, wastewater, 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, methyl naphthalene) 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	900 (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)
Mesh Size	8x30, 12x40

\* Please consult with Carbonair for your specific application.

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