

## Reactivated Granular Carbon (Liquid Phase)

Carbonair's reactivated granular carbon is manufactured from spent bituminous coal based carbon which has been thermally reactivated to regain its adsorptive capacity. This adsorbent media offers an economical option for treating organic hydrocarbons at low concentration levels.

### Typical Applications

Groundwater, wastewater, and decolorization.

### 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.

### Typical Physical Properties\*

Iodine Number	900 (minimum)
Molasses Number	200 (minimum)
Apparent density (dense packing)	29-32 lbs/ft <sup>3</sup>
Abrasion Number (Ro-Tap)	75 (minimum)
Moisture Content (as packed)	2% (maximum)
Mesh Size	8x30
Greater than 8 mesh	15% (maximum)
Less than 30 mesh	5% (maximum)
Total Surface Area (N <sub>2</sub> BET)	900-1000 m <sup>2</sup> /gm

\* Please consult with Carbonair for your specific application.

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