



## Virgin Pelletized Coal Based Carbon (Vapor Phase)

Carbonair's virgin pelletized 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 treating a variety of organic hydrocarbons in molecular size where minimal pressure drop or dust-free environment is desired. This carbon also is best suitable for solvent recovery processes where the spent carbon is regenerated on-site.

### Typical Applications

Solvent recovery, air purification, and clean room.

### 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).

Low affinity hydrocarbons using solvent recovery processes such as acetone, methylene chloride, tetrahydrofuran, and vinyl chloride.

### Typical Physical Properties\*

Carbon Tetrachloride Number	60% (minimum)
Apparent density (dense packing)	28-31 lbs/ft <sup>3</sup>
Hardness Number	99 (minimum)
Moisture Content (as packed)	2% (maximum)
Mesh Size	4x6

\* Please consult with Carbonair for your specific application.