

Virgin Pelletized Coal Based Carbon (Vapor Phase)

Carbonair's virgin pelletized coal based carbon is manufactured from selected grades of bituminous coal which provides 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, when minimal pressure drop or a dust-free process is desired. This carbon is also suitable for solvent recovery processes where the spent carbon is regenerated on-site.

Typical Applications

Solvent recovery, air purification, VOC control.

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 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 ³
Hardness Number	99 (minimum)
Moisture Content (as packed)	2% (maximum)
Mesh Size	4x6

* Please consult with Carbonair for your specific application.

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