

General adsorption efficiency chart for activated carbon by chemical substance

E : Excellent high capacity

G : Good satisfactory capacity

F : Fair

P : Poor

* Jeio Tech carbon filters utilize not only physical collision but also chemically treated surfaces for enhanced adsorption, resulting in improved efficiency compared to general activated carbon.

* **F grade chemicals (Green)** achieve G grade or higher.

* **P grade chemicals (red)** are extremely low molecular weights and cannot be captured.

Chemical Compound	Adsorptive ability	Chemical Compound	Adsorptive ability	Chemical Compound	Adsorptive ability	Chemical Compound	Adsorptive ability
Acetaldehyde	F	Cyclohexanol	E	Hydrogen cyanide	G	Paint & redecorating odors	E
Acetic Acid	E	Cyclohexanol	E	Hydrogen fluoride	F	Palmitic Acid	E
Acetic anhydride	E	Cyclohexene	E	Hydrogen iodide	G	Paradichlorobenzene	E
Acetone	G	Decane	E	Hydrogen selenide	F	Pantane	G
Acetylene	P	Dibromoethane	E	Hydrogen sulfide	G	Pentanone	E
Acrolein	G	Dichlorobenzene	E	Incense	E	Pentylene	G
Acrylic Acid	E	Dichlorodifluoromethane	G	Indole	E	Pentyne	G
Acrylonitrile	E	Dichloroethane	E	Iodine	E	Perchloroethylene	E
Alcoholic Beverages	E	Dichloroethylene	E	Iodoform	E	Perfumes, cosmetics	E
Amines	F	Dichloroethyl	E	Irritants	E	Phenol	E
Ammonia	F	Dichloromono-fluoromethane	G	Isophorone	E	Phosgene	G
Ameyl acetate	E	Dichloronitroethane	E	Isoprene	G	Pitch	E
Amyl alcohol	E	Dichloropropane	E	Isopropyl acetate	E	Poison gases	G
Amyl ether	E	Dichlorotetrafluoroethane	E	Isopropyl alcohol	E	Pollen	G
Aniline	E	Diesel fumes	E	Isopropyl ether	E	Popcorn and candy	E
Asphalt fumes	E	Diethylamine	G	Kerosene	E	Poultry odors	E

Automobile Exhaust	G	Diethyl ketone	E	Kitchen odors	E	Propane	F
Benzene	E	Dimethylaniline	E	Lactic acid	E	Propionaldehyde	G
Body odors	E	Dimethylsulfate	E	Menthol	E	Propionic acid	E
Borane	G	Dioxane	E	Mercaptans	E	Propyl acetate	E
Bromine	E	Diproyl ketone	E	Methane	P	Propyl alcohol	E
Burned Flesh	E	Ethane	P	Methyl acetate	G	Propyl chloride	E
Burned Food	E	Ether	G	Menthyl acrylate	E	Propyl ether	E
Butadiene	G	Ethyl acetate	E	Methyl alcohol	G	Propyl mercaptan	E
Butane	F	Ethyl acrylate	E	Methyl bromide	G	Propylene	F
Butanone	E	Ethyl alcohol	E	Methyl butyl ketone	E	Propyne	F
Butyl acetate	E	Ethyl amine	G	Methyl cellosolve	E	Putrefying substances	G
Butyl alcohol	E	Ethyl benzene	E	Methyl cellosolve acetate	E	Putrescine	E
Butyl cellosolve	E	Ethyl bromide	E	Methyl chloride	G	Pyridine	E
Butyl chloride	E	Ethyl chloride	G	Methyl chloroform	E	Resins	E
Butyl ether	E	Ethyl ether	G	Methyl ether	G	Rubber	E
Butylene	F	Ethyl formate	G	Methyl ethyl ketone	E	Sauerkraut	E
Butyne	F	Ethyl mercaptan	G	Methyl formate	G	Sewer odors	E
Butyraldehyde	G	Ethyl silicate	E	Methyl isobutyl ketone	E	Skalote	E
Butyric acid	E	Ethylene	P	Methyl mercaptan	E	Slughtering odors	G
Camphor	E	Ethylene chlorhydrin	E	Methylcyclohexane	E	Smog	E
Caprylic acid	E	Ethylene dichloride	E	Methylcyclohexanol	E	Sour milks	E
Carbolic acid	E	Ethylene oxide	G	Methylcyclohexaone	E	Stoddard sovent	E
Carbon disulfide	E	Essential oils	E	Methylene chloride	E	Styrene monomer	E
Carbon dioxide	P	Eucalyptole	E	Monochlorobenzene	P	Sulfur dioxide	F

Carbon monoxide	P	Fertilizer	E	Monofluorotri cloromethane	E	Sulfur trioxide	G
Carbon tetrachloride	E	Film processing odors	G	Naphtha	E	Sulfuric acid	E
Cellosolve	E	Fish odors	E	Naphthziene	E	Tetrachloroethane	E
Cellosolve acetate	E	Floral scents	E	Nitric acid	G	Tetrachloroethylene	E
Cheese	E	Fluorotrichloromethane	G	Nitro benzenes	E	Tobacco smoke odor	E
Chorine	G	Formaldehyde	F	Nitroethane	E	Toilet odors	E
Chlorobenzene	E	Formic acid	G	Nitrogen dioxide	F	Toluene	E
Chlorobutadiene	E	Gangrene	E	Nitroglycerine	E	Toluidine	E
Chloroform	E	Garlic	E	Nitromethane	E	Trichlorethylene	E
Chloronitropropane	E	Gasoline	E	Nitropropane	E	Trichloroethane	E
Chloropicrin	E	Heptane	E	Nitrotoluene	E	Turpentine	E
Citrus and other fruits	E	Heptylene	E	Nonane	E	Urea	F
Cleaning compounds	E	Hexane	G	Octalene	E	Uric acid	E
Coal smoke	G	Hexylene	G	Octane	E	Valeric acid	E
Creosote	E	Hexyne	G	Onions	E	Valericaldehyde	E
Cresol	E	Hydrogen	P	Organic Chemicals	E	Varnish fumes	E
Crotonaldehyde	E	Hydrogen bromide	G	Ozone	E	Xylene	E
Cychlohexane	E	Hydrogen chloride	F	Packing house odors	E		