

PRODUCT BULLETIN

PURAFIL SELECT CP BLEND MEDIA

Purafil Select CP Blend media provides the following minimum removal capacities:

REMOVAL CAPACITY

CONTAMINANT GAS	g/cc	WEIGHT%*
Sulfur dioxide (SO ₂)	0.0387	6.85
Nitrogen dioxide (NO ₂)	0.0998	15.60
Toluene (C ₆ H ₅ CH ₃)	0.0636	10.38

*100 pounds (45.36 kg) of Purafil Select CP Blend media will remove a minimum of 6.85 pounds (3.11 kg) of sulfur dioxide

APPLICATION GUIDELINES

Temperature	-4°F to 125°F (-20°C to 51°C)
Humidity	10 - 95% RH
Air Speed	60 - 500 fpm (0.30 - 2.54 m/s)
Performance	99.5% (min) initial removal efficiency in Purafil systems



Purafil Select CP Blend Media is made from an equal mix (by volume) of Purafil Select and activated carbon media. Purafil Select media is generally spherical, porous pellets formed from a combination of activated alumina and other binders, suitably impregnated with potassium permanganate (KMnO₄). The potassium permanganate is applied during pellet formation such that it is uniformly distributed throughout the pellet volume and is completely available for reaction with target gases. Our activated carbon media is a pelletized activated carbon with a pore structure that is optimal for the adsorption of a broad range of contaminants and concentrations.

Purafil Select CP Blend Media has been specially engineered to provide the highest overall performance against multiple contaminants. Purafil Select removes contaminant gases by chemisorption. Harmful gases are trapped within the pellet and converted into harmless solids which remain in the pellet, eliminating the possibility of desorption and release back into the environment.

Activated carbon media removes contaminant gases by means of physical adsorption (physisorption). It is very effective against medium-to-high molecular weight compounds, and chemical contaminants with low volatility.

Purafil Select CP Blend Media demonstrates a higher working capacity for broad-spectrum control of odorous and corrosive gases including hydrocarbons, volatile organic compounds (VOCs), oxides of sulfur, formaldehyde, nitrogen oxides, hydrogen sulfide, and lower molecular weight aldehydes and organic acids.

Purafil Select CP Blend is recommended as a polishing media in odor control and corrosion control applications, eliminating jet and diesel exhaust fumes, kitchen odors, smoke, and outdoor pollution in urban environments.

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Quality Control

Each lot of Purafil Select and Purakol media used in Purafil Select CP Blend media is thoroughly tested prior to shipment according to the procedures described in Purafil's ISO 9001 Quality Systems Manual.

Media Life Analysis

Samples of Purafil Select CP Blend media should be sent on a regular basis to the Purafil laboratories for testing to determine remaining media life. This provides for scheduled maintenance, avoids downtime, and assures ongoing protection for processes, products, and personnel.

Disposal

Purafil Select CP Blend media should be disposed of according to local, state, and federal guidelines.

Purafil Select CP Blend media is UL classified for flammability.

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT