purafil
Filtration Group®

PRODUCT BULLETIN

PURAFIL ODORCARB ULTRA MEDIA

Odorcarb™ Ultra Media consists of generally spherical, porous pellets impregnated to provide a superior removal capacity for hydrogen sulfide (H_2S).

Features:

- Engineered with an extremely high alkalinity.
- Assures the highest overall performance.
- Removes contaminant gases by means of adsorption, absorption, and chemical reaction (neutralization).
- Eliminates contaminant desorption and release back into the environment.
- Ideal for odor control in wastewater treatment plants, pump stations, wet wells, lift stations, and sludge holding tanks.

Quality Control: Each lot of Odorcarb Ultra media is thoroughly tested prior to shipment according to the procedures described in Purafil's ISO 9001 Quality Systems Manual. This testing includes but is not limited to: bulk density, impregnation level, moisture content, crush strength, and abrasion.

Media Life Analysis: Odorcarb Ultra media contains Media Life Indicator Pellets which offer a visual indication of media performance (changing from blue to white when the media is spent). At this point samples of Odorcarb Ultra media should be sent to the Purafil laboratories for testing to verify remaining media life.

Disposal: Odorcarb Ultra media is non-toxic and non-hazardous as supplied. However, in all cases spent Odorcarb Ultra media should be disposed of according to local, state, and federal guidelines.

Odorcarb Ultra media is UL classified for flammability.

REMOVAL CAPACITIES (MINIMUM)*

CONTAMINANT GAS	g/cc	WEIGHT%*
Hydrogen sulfide (H_2S)	0.3008	47.0

*100 pounds (45.36 kg) of Odorcarb Ultra media will remove a minimum of 47 pounds (21.3 kg) of hydrogen sulfide

SPECIFICATIONS	
Moisture	35% (max)
Crush strength	35-70%
Abrasion	4.5% (max)
Bulk density	40 lb/ft³ (0.64 g/cc) ±5%
Nominal pellet diameter	1/16" - 1/8" (1.6 - 3.2 mm)
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