

# PureAir Filtration



## PureAir 8 Adsorbent Media

### **Description:**

PureAir 8 has been developed to have roughly twice the capacity of PureAir 4 media. This second generation adsorbent media was developed in order to provide customers with the maximum adsorption benefit at the minimum cost. PureAir 8 targets a broad range of gases which cause corrosion, odor, and other undesirable gases. Pure Air Filtration starts with the highest grade activated alumina. This ensures that the greatest possible adsorption capacity is reached. This alumina is then impregnated with potassium permanganate while being formed into a pellet. Pure Air Filtration adds a proprietary additive during the process in order to keep all eight percent of the permanganate available for reaction.

### **Specifications:**

General Description: Spherical or cylindrical porous pellets formed from a combination of powdered activated alumina and other binders, suitably impregnated with potassium permanganate to provide optimum adsorption, absorption, and oxidation of a wide variety of gaseous contaminants.

#### Removal Capacity:

- Hydrogen Sulfide: 14% min by weight
- Sulfur Dioxide: 7% min by weight
- Nitric Oxide: 5% by weight
- Formaldehyde: 2.5% by weight

#### Manufacturing Quality Assurance Standards:

- Leach Test (indication of porosity)- 180 minute or less
- Permanganate Content: 8% minimum
- Moisture Content: 20% maximum
- Crush Strength: 10 lb min
- Abrasion Loss: 3% maximum
- Nominal Pellet Diameter: 1/8" (approximately 4 mm), 85% after screening
- Nominal Density: 50 lbs/ft<sup>3</sup> (0.80 g/cc)

Media Remaining Life Testing: Pure Air Filtration provides free quarterly media testing for the life of the media installation. This testing provides critical data including remaining permanganate content, total life prediction, moisture content, and projected replacement date. Data is provided for each of the separated components of a blend. All analyses are performed at our certified laboratory.

UL Rating: PureAir 8 meets the requirements of a UL Class 1 fire rating.

Pure Air Filtration, LLC  
6050 Peachtree Pkwy Suite 240-187  
Atlanta, GA 30092 USA  
+1 (678) 935-1431  
Fax +1 (678) 935-0648

Visit us at: [www.PureAirFiltration.com](http://www.PureAirFiltration.com) or  
write us at: [info@PureAirFiltration.com](mailto:info@PureAirFiltration.com)