

PureAir 12 Chemisorbant Media

Basic Information:

- PureAir 12 targets a broad range of gases that cause corrosion, odor, and other unwanted gases.
- PureAir starts with the highest grade activated alumina to ensure that the greatest possible adsorption capacity is reached. This alumina is then impregnated with potassium permanganate.
- PureAir adds a proprietary additive during the process in order to keep all twelve percent of the permanganate available for reaction.

PureAir 12 has been developed to have a roughly 50% greater capacity than PureAir 8 media.

Note: PureAir 12 media meets the requirements for UL certification. It has roughly three times the capacity of PureAir 4.



General Description	Typical Properties	Removal Capability
Spherical 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.	<ul style="list-style-type: none"> • Particle Size: 4mm sphere • Density: 800 kg/m³ (50 lbs/ft³) • Surface Area: 350 m²/g • Typical Moisture Content: 20% • Crush Test: 30 lbs - 70 lbs • Abrasion Loss: 3% maximum • Relative Pressure Drop: See Curve A* • Ignition Temperature: Non-ignitable • Potassium Permanganate Content: 12% minimum <p>*See Media Pressure Drop Curve Data on pages 111-112</p>	<ul style="list-style-type: none"> • Hydrogen Sulfide: 23% by weight • Sulfur Dioxide: 11% by weight • Nitrogen Dioxide: 32% by weight • Formaldehyde: 4.5% by weight

