

PureAir Filtration



Carbsorb Media

Description:

Carbsorb provides ideal adsorption of acid gases such as Hydrogen Sulfide and Sulfur Dioxide. This carbon and alumina adsorbent is impregnated with potassium hydroxide to provide superior adsorption capacity over carbon alone. This product has been a favorite for steel mills, refineries, and paper mills for over a decade. The primary benefits of Carbsorb over impregnated carbon include: increased life, resistance to fire, and life testability.

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 (H₂S): 14% min by weight

Sulfur Dioxide (SO₂): 10% min by weight

Chlorine (CL₂): 10% min by weight

Physical Properties

Moisture Content: 35% max

Crush Strength: 35-70%

Abrasion Loss: 4 % max

Bulk Density: 45 lbs/ft³

Pellet Diameter: 1/8"

Manufacturing Quality Assurance Standards:

Moisture Content: 20 % maximum

Crush Strength: 40 to 60 %

Abrasion Loss: 3.0 % maximum

Nominal pellet diameter: 1/8" (approximately 4 mm), 85% after screening

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 carbon life, remaining impregnate content, total life prediction, 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: Carbsorb meets a UL Class 2 rating requirements.

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