

SupraCarb

Fact Sheet

Dry Scrubbing Odor Control Media

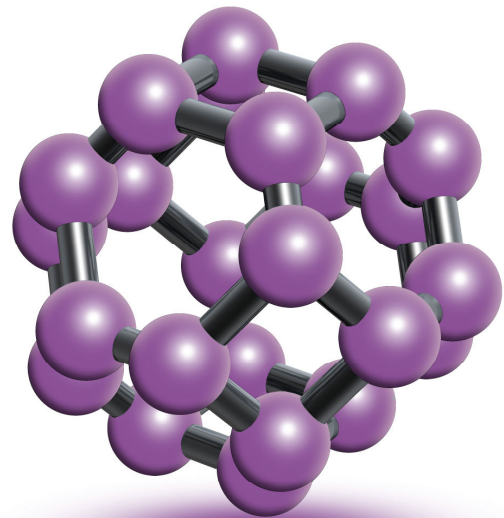
SupraCarb Activated Dry Scrubbing Pellets are specifically formulated to control fugitive odor emissions in wastewater treatment applications.

Description...

SupraCarb media is highly effective at removing sewerage gases, including hydrogen sulfide, aldehydes, sulfur dioxide and many organic compounds.

The alumina-based media is impregnated with very high concentrations of sodium permanganate.

SupraCarb is designed for increased removal capacity of target gases.



Advantages...

This advanced media utilizes the unique chemisorptive process to irreversibly react with malodors.

The new and spent SupraCarb activated media are not toxic.

Spent SupraCarb pellets can be disposed of in local landfills.



SupraCarb

How SupraCarb Works...

The unique chemisorptive process shall remove malodorous contaminant gases by means of adsorption, absorption, and chemical reaction.

Malodor compounds shall be trapped within the pellet where an irreversible chemical reaction will change the gases into harmless solids, eliminating the possibility of desorption.

Product Specifications...

The SupraCarb activated media shall consist of manufactured, generally spherical porous pellets measuring 1/16" to 1/8" in diameter.

Pellets shall be formed from a combination of activated alumina and other binders suitably impregnated with sodium permanganate to provide optimum adsorption, absorption and oxidation of a broad spectrum of sewer gases.

Physical Properties...

- **Moisture Content:** 35% Max
- **Crush Strength:** 35% - 70% Max
- **Abrasion:** 4.5% Max
- **Bulk Density:** 50 lbs / ft³ ±5%
- **Pellet Diameter:** 1/16" - 1/4"
- **Temp. (min / max):** -4°F to 125°F
- **Humidity (min / max):** 10 – 90% RH

Removal Capacity:

Percentages Listed by Weight

Hydrogen Sulfide (H₂S): 14%

Sulfur Dioxide (S_O2): 7%

Nitrogen Dioxide (N_O2): 7%

Nitric Oxide (NO): 6%

Formaldehyde (CH₂O): 4%