



# PolluxSorb

## H<sub>2</sub>S Filtration Media

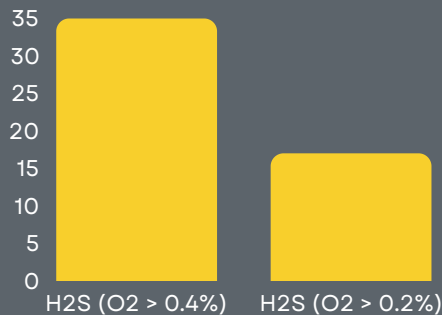
### Specifications

Properties	Value	Units	Value	Units
Apparent density	700	Kg/m <sup>3</sup>	43.6	lb/ft <sup>3</sup>
Pellet Diameter	3-4	mm		
Fe <sub>2</sub> O <sub>3</sub> Content options	25 - 40%			
Contact time	> 45 secs			
Air flow	300-800			
Moisture content	10%			
<b>H<sub>2</sub>S Capacity</b>	<b>&gt; 0.3 g/cc</b>			
Fe <sub>2</sub> O <sub>3</sub> Content chosen	30%			

Our PolluxSorb is made from premium iron oxide, ferrous sulfate, chemical accelerators, and pore-forming agents. The distinctive properties of iron oxide ensure exceptional adsorption capacity and efficiency for hydrogen sulfide (H<sub>2</sub>S), especially in applications exceeding 50 ppm. Its ability to remove 25% of its weight in H<sub>2</sub>S surpasses that of activated carbon. Suitable for water-saturated gas applications.

PolluxSorb features excellent mechanical properties and is specifically designed for use in applications such as biogas, RNG, metallurgy, and petrochemicals.

### Removal Capacity of Pollutants by weight (%)



### Operating Conditions

Parameter	Value (metric)	Value (British)
Temperature	0-80 C°	32- 176 F°
Relative Humidity	20-100 %	
Efficiency	99.5 % min	
Storage	5-30 C°	41-86 F°
Shelf life	2 years	

### Packaging Options

Big bags	700kg	1540 lb
Small bags	25kg	55 lb



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