



## Pollux MgO

### Catalytic Filtration Media

#### Specifications

Properties	Value	Units	Value	Units
Apparent density	500 ± 30	g/cm <sup>3</sup>	31 ± 2	lb/ft <sup>3</sup>
Pellet Diameter	3-4	mm		
Ignition Temperature	700	C°	1292	F°
CTC	60			
Crush strength	> 95 %			
Moisture content	< 5%			
<b>H2S Capacity</b>	<b>&gt; 0.3 g/cc</b>			
MgO Content	10 - 12 %			

#### Operating Conditions

Parameter	Value (metric)	Value (British)
Temperature	-20-60 C°	-4 - 140 F°
Relative Humidity	30-97 %	
Efficiency	99.5 % min	
Storage	5-30 C°	41-86 F°
Shelf life	2 years	

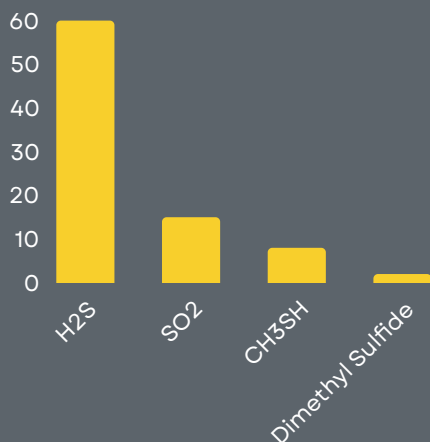
#### Packaging Options

Big bags	500kg	1100 lb
Small bags	25kg	55 lb



Our Pollux MgO catalytic carbon is crafted from premium activated carbon and high-quality anthracite, bonded with a kerosene binder and enriched with Magnesium Oxide (MgO) before activation. This unique formulation ensures exceptional adsorption capacity and efficiency for hydrogen sulfide (H<sub>2</sub>S). The H<sub>2</sub>S is converted to elemental sulfur (S) and stored in the carbon micropores. Pollux carbon boasts excellent mechanical properties and is purposefully engineered to eliminate H<sub>2</sub>S, VOCs, SO<sub>2</sub>, acidic and corrosive gases, making it particularly well-suited for BIOGAS and RNG applications.

#### Removal Capacity of Pollutants (%)



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