



Sewage Odor Removal

Highest H₂S Capacity

Nuisance odors produced in sewage treatment plants have become a major concern with the growth of the society. These unpleasant smells are caused mainly by hydrogen sulfide and reduced organic sulphur components. It is essential that these gases are removed from air prior to release to the environment, due to high toxicity, corrosiveness, odor and other adverse effects on health and environment.

The Haycarb product for this application has been designed to remove these highly malodorous and pungent

odors released in pumping stations, primary clarifiers and filter press rooms of sewage treatment plants. Our carbon is manufactured using a proprietary process that ensures the **highest H₂S capacity of 0.3g/cc** in the industry. Due to the high capacity, Haycarb carbon can be used in the filter bed for an extended period of time compared to the competitor products in the market, which reach saturation levels within a short period. The high H₂S capacity also eliminates the need for frequent regeneration cycles associated with catalytic carbons. This is an enormous benefit that our customers

enjoy. Haycarb also has the ability to supply catalytic carbons, as well as caustic impregnated, and non-impregnated carbons covering ranges from 0.03 - 0.3 g/cc H₂S capacity.

A Unique Manufacturing Process: The special process used to manufacture this carbon eliminates the need for post impregnation with caustic salts. This ensures a consistent and superior H₂S removal capacity at different process conditions, while **minimizing the risk of bed fire** caused by heat released during chemisorption.

Product Feature

High H₂S Adsorption Capacity

Non caustic Impregnation –proprietary formulation

Superior Hardness and High Resistance to Attrition

Uniform shape, optimum mean article diameter (MPD) and low dust content

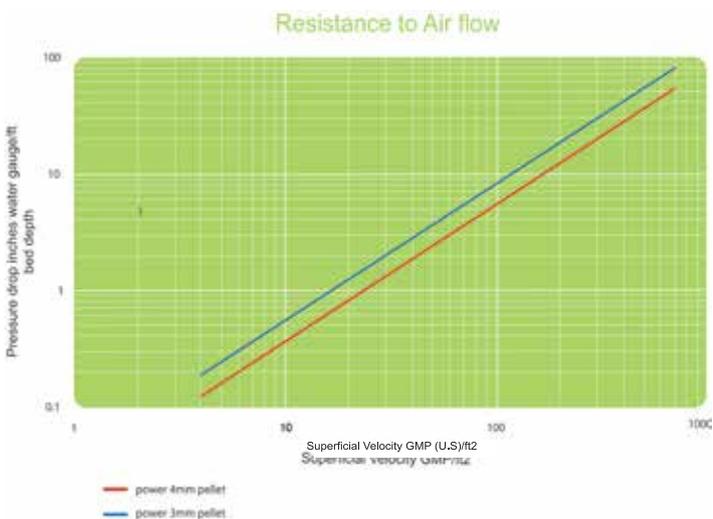
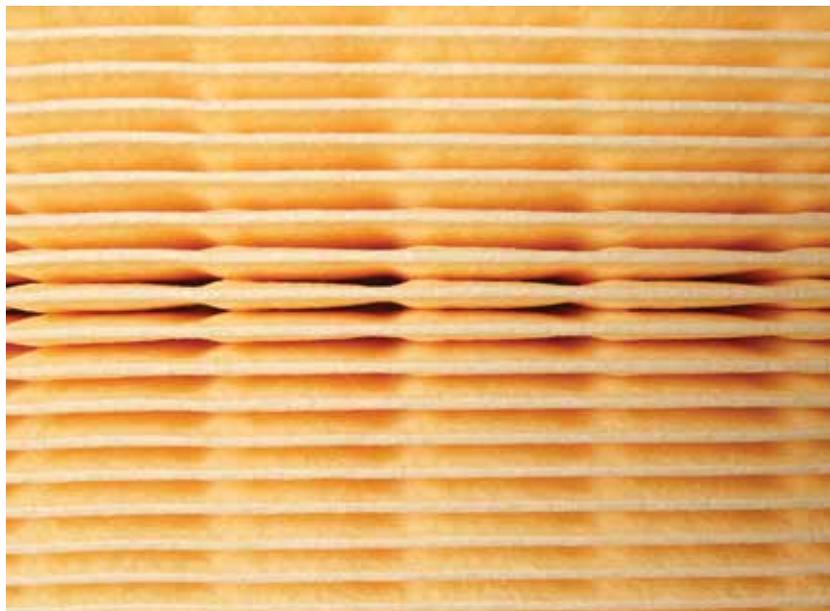
Benefit

Highest H₂S removal capacity
No regeneration required

Higher ignition temperature
Minimal risk of bed fire

The carbon will not disintegrate in wet condition.

Consistent pressure drop and performance over time.



Technical Information

Parameter	Typical Values
H ₂ S ASTM D2867	0.03 - 0.3 (g H ₂ S/ cc of carbon)
Hardness No ASTM D3802	98% min
Particle Size ASTM D2854	4mm, 3mm

We provide custom designed products for specific customer applications within the general range.

Packaging

Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag **Sacks**
 Net. 500 Kg Net. 25 Kg

Product Testing Services

Haycarb's Research & Development laboratories in Sri Lanka and its overseas subsidiaries are equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Haycarb makes no express warranty as to suitability for specific application.



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