



ALPHACHEM®

GAS PHASE FILTRATION

by Greenkeeper

CHEMICAL FILTERING MEDIA

**Aluminas, Zeolites,
Activated Carbon,
Chemical
Impregnations**



Uses / Applications

Alphacarb BG-ECO is an activated carbon-based adsorbent, in the shape of 4 mm diameter pellets.

Its use provides a great environmental benefit, due to its balanced formulation with local raw materials and its manufacture with low energy and water consumption processes, significantly reducing its carbon footprint.

The potassium hydroxide (KOH) impregnation makes it particularly suitable for the removal of hydrogen sulphide (H₂S) and acid gases in general, making it very suitable for deodorization in wastewater treatment and pumping stations.

The product is supplied in 25 kg bags and 500 kg big bags.

Target Pollutants

- Hydrogen Sulphide (H₂S)
- Mercaptans
- Organic Sulphides

Packaging

25 Kg bags and 500 Kg Big Bags

Mechanism

The porous structure, as well as the high specific surface area of activated carbon allows a large amount of pollutant gases to reach the pores, where the acid-base reaction takes place. The process follows the sequence Adsorption - Absorption - Chemisorption. In this way the pollutants are irreversibly eliminated and transformed into harmless salts that remain in the substrate.

Specifications

- Iodine N^{er}. (Act. C.): 950
- CTC min: 50
- Shape: Pellets 4 mm
- Density: 580 kg/m³ ± 40
- Humidity: 18 % ± 2
- Hardness: 3 - 4 kg/cm²
- Capacity H₂S: 25% w/w

IV-02

ALPHACHEM

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