

BION CARB CR

Filtration media

BION Carb CR combines a premium quality activated carbon and natural base material such as (alumina, zeolites or other minerals), and mixed with a proprietary blend of catalytic inorganic phases, which results in high hydrogen sulfide (H₂S) absorption capacity and efficiency. H₂S is converted to elemental sulfur (S), which is accumulated in the carbon micropores.

BION Carb CR has been specially designed to remove H₂S and other corrosive gases to prevent corrosion issues in electronic and electrical equipment.

Advantages

- High Efficiency
- High Capacity
- Moderate dust
- Low flammability
- UL certified

Application guidelines

BION CARB CR operates optimally under the following application guidelines:

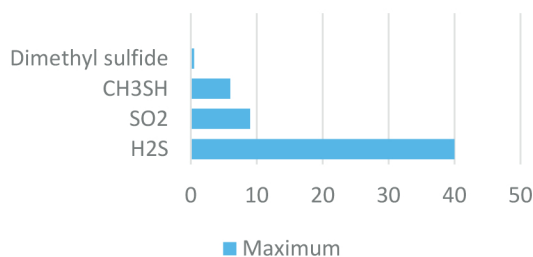
Parameter	Values range
Relative humidity	30-95%
Temperature	-20°C - 50°C ´ -4°F - 122°F
Efficiency	min. 99.5% *

*considering min. contact time of 4.8 s according to ASTM D6646

´ Up to 65 °C provided that the RH is kept into the required values

Target pollutants

Removal Capacity** wt%



Specifications

BION CARB CR	Value	Units	Value	Units
Apparent density (loose)	450 ± 30	kg/m ³	28 ± 2	lb/ft ³
Pellet Diameter	4	mm		
L.O.A. (Loss On Attrition)	<5	%		
Crush Strength	> 2	kgF	> 4.4	lbF
Moisture content	20	%(max)		
Ignition Temperature	420	°C	788	°F
Gas removal process	Chemisorption			

**According to ASTM D6646

Packaging ***

***Quantities can slightly vary (±5%)

Big bag	500 kg	1100 lb
Sacs	25 kg	55 lb
Boxes	14 kg	30 lb

Quality control and Media Life Analysis

All batches are inspected according to our internal procedures which are audited according to ISO 9001:2015, including adsorption capacity, humidity, bulk density, mechanical strength and abrasion.

BION offers the possibility to determine the remaining life of the product.

Media handling and disposal

It is recommended that operators use dust masks, safety goggles and rubber gloves. Contact your local supplier for replacement of BION CARB CR.

BION CARB CR is classified, according to the European Waste Catalogue, with the code 150202. Consult the authorized waste manager for recovery and disposal operations.

Storage conditions: 5-30°C (41-86°F), avoid sources of heat, humidity, radiation. Shelf life: Maximum 2 years.