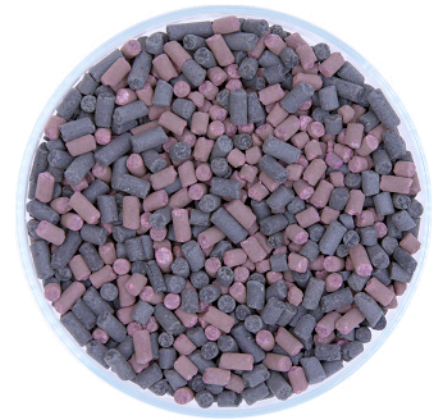


# BION BIA

Filtration media

BION BIA is a mixture of BION ISORB MAX and activated carbon BION AC. BION ISORB MAX contains 12% potassium permanganate on natural clays support and BION AC is activated carbon with no impregnates.

This mix is offered in (%): 70 – 30, 50 – 50 or 30 – 70, with a bulk density of 751, 665 or 579 Kg/m<sup>3</sup>, respectively.



## Advantages

- Capable of removing high molecular weight volatile organic compounds with BION AC and acidic gases, nitrogen and sulphur containing and low molecular weight with BION ISORB MAX.

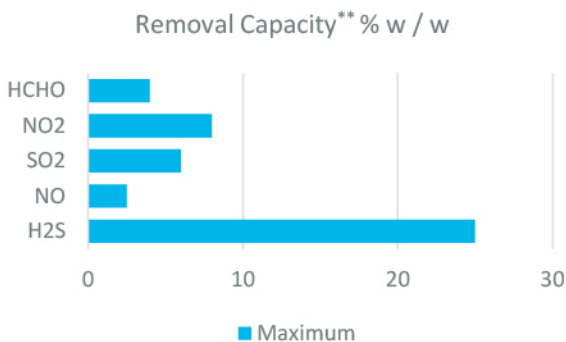
## Application guidelines

BION BIA operates optimally under the following application guidelines:

Parameter	Values range
Relative humidity	10-95 %
Temperature	-20°C - 50°C    -4°F - 122°F
Efficiency	min. 99% *

\*considering min. contact time of 4.8 s according to ASTM 5742 - 95

## Target pollutants BION BIA 50-50



## Specifications

BION BIA	Value	Units	Value	Units
Apparent density (loose)	450-880	kg/m <sup>3</sup>	28-52 ± 2	lb/ft <sup>3</sup>
Pellet Diameter	3, 4	mm		
Specific surface area	1050	m <sup>2</sup> /g	5126550	ft <sup>2</sup> /lb
Crush Strength	> 97	%		
Moisture content	4 to 15	%		
Gas removal process	Chemisorption and physisorption			

\*\*According to ASTM 6646

## Packaging \*\*\*

\*\*\*Quantities for 50-50 ratio, they can slightly vary (±5%)

Big bag	500 kg	1100 lb
Sacs	20 kg	44 lb
Boxes	18 kg	40 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 BIA.

Consult the authorized waste manager for recovery and disposal operations.

Storage conditions: store in the original packaging, preferably between 5-30°C (41-86°F), otherwise -15-45 °C (5-113°F), avoid sources of heat, humidity, radiation.

Shelf life: Maximum 2 years.