



# Bioclimatic Air Systems

600 Delran Parkway  
Delran, NJ 08075 USA  
(856) 764-4300 / Fax (856) 764-4301

## PRODUCT DATA

### GAS FILTRATION MEDIA

#### Bioclimatic BIO-CARB 100

BC-100 is a virgin, coal based, activated carbon is specially manufactured to develop catalytic functionality without chemical impregnation. The proprietary process enhances the natural catalytic potential of activated carbon to promote reactions such as oxidation, reduction, substitution and elimination. It is effective in removing a diverse group of contaminants including H<sub>2</sub>S, SO<sub>2</sub> and Mercaptans from air streams.

#### TYPICAL PROPERTIES:

Apparent Density	0.58 g/cc
Bulk Density	36 lb/ft <sup>3</sup>
Carbon Tetrachloride	60% minimum
Hardness (ASTM)	97%
Capacity	H <sub>2</sub> S 12%; SO <sub>2</sub> 10% wt.
Peroxide	14 maximum
Iodine	800 mg/g
Moisture	2% max
Ash	7%
Thermal Stability	to 800 <sup>0</sup> F/425 <sup>0</sup> C
Shape	Granule
Mean Particle Diameter	3.7 mm
Resistance @ 100 fpm	0.35 in. WC/in. of bed
Resistance @ 0.5 m/s	87 Pa/25 mm bed
Max. Operating Temp.	200 <sup>0</sup> F/93 <sup>0</sup> C

#### PACKAGING

BC-100 is available in 1 cu. ft. corrugated cartons and 7 cu. ft. fiber drums. Unless otherwise specified, BC-100 is supplied in 1 cu. ft. corrugated cartons.

#### SAFETY PRECAUTIONS

Always refer to the Material Safety Data Sheet for detailed information on safety.