



Bioclimatic Air Systems

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PRODUCT DATA

GAS FILTRATION MEDIA

Bioclimatic BIO-SORB 700

BS-700 is an aluminosilicate compound possessing significant molecular sieve sorption capacity and impregnated with phosphoric or citric acid for enhanced performance in removing basic gasses, such as NH_3 from air streams.

TYPICAL PROPERTIES:

Apparent Density	1.06 g/cc
Bulk Density	66 lb./ft ³
Bulk Density	60 lb./ft ³
Surface Area	NA ¹
Pore Size	2.5 - 5.0 Å
Void Volume	35%
Capacity	0.1 g NH_3 /cc
$\text{H}_3\text{PO}_4/\text{C}_6\text{H}_8\text{O}_7$ Impregnate	10 lb./ft ³
Hardness (ASTM)	98%
Bentonite Content	<9%
Moisture	12% - 15%
Thermal Stability	Non-Flammable
Shape	Granular
Particle Size	US 4 x 8 Mesh
Resistance @ 100 fpm	0.24 in. WC/in. bed
Resistance @ 0.5 m/s	60 Pa/25 mm bed
Max. Operating Temp	200°F/93°C

¹ Not applicable to Nitrogen BET Test

PACKAGING

BS-700 is available in 1 cu. ft. corrugated cartons and 7 cu. ft. plastic lined drums. Unless otherwise specified, BS-700 is supplied in 1 cu. ft. corrugated cartons.

SAFETY PRECAUTIONS

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