



PRODUCT SPECIFICATIONS

mSORB[®] 13X812B

Molecular Sieve, Type 13x, 8 x 12 Mesh, Beaded

CHEMICAL FORMULA $\text{Na}_{86}[(\text{AlO}_2)_{86}(\text{SiO}_2)_{106}] \cdot n\text{H}_2\text{O}$

PRODUCT DESCRIPTION

mSORB[®] 13X812B molecular sieve is a multiple purpose, highly porous, high capacity alkali metal aluminosilicate in the spherical form. It is the sodium form of the Type X crystal structure with pore diameters of approximately 10Å. It can adsorb all molecules that can be adsorbed on 3A, 4A, and 5A molecular sieve. Type 13X can also adsorb molecules such as aromatics and branched-chain hydrocarbons, which have large critical diameters.

SPECIFICATIONS		
Property	Value	Unit
Bead Size	8 x 12	Mesh
Nominal Pore Opening	10	Angstroms
Equilibrium Water Capacity @ 25°C	≥ 26	% Weight
CO ₂ Adsorption Capacity	≥ 18	% Weight
Heat of Adsorption	1800	BTU/lb of H ₂ O
Bulk Density	≥ .64	g/ml
	≥ 40	lbs/ft ³
Crush Strength	≥ 8	lbs
	≥ 35	N
Size Qualification	≥ 97	%
Package Moisture	≤ 1.5	% Weight

TYPICAL APPLICATIONS

General gas drying; concurrent removal of H₂O and CO₂ from gas and air streams; sweeten natural gas and liquid hydrocarbon streams by removing H₂S and Mercaptans; separation of N₂ from O₂; PSA oxygen units.

PACKAGING INFORMATION

Drums 135 kgs / 300lbs
Super Sacks Fill weights to order specification

HANDLING & STORAGE RECOMMENDATIONS

Store **mSORB[®]** molecular sieve in a dry location to prevent premature water adsorption. Reseal packages after opening to prevent contamination and unintended water adsorption. We recommend that you rotate stock so oldest material is used first.

HEALTH & SAFETY INFORMATION

Health and Safety Information is available on product MSDS, which can be downloaded from our web site www.interraglobal.com or by contacting Interra Global Corporation at 847.292.8600.