



PRODUCT SPECIFICATIONS

mSORB[®] 4A48B

Molecular Sieve, Type 4a, 4 x 8 Mesh, Beaded

CHEMICAL FORMULA $\text{Na}_{12}[(\text{AlO}_2)_{12}(\text{SiO}_2)_{12}] \cdot n\text{H}_2\text{O}$

PRODUCT DESCRIPTION

mSORB[®] 4A48B molecular sieve is an alkali aluminosilicate in the spherical form. It is the sodium form of the Type A crystal structure with an effective pore opening of approximately 4Å. It will adsorb molecules such as oxygen, nitrogen, carbon dioxide and straight chain hydrocarbons. Aromatics and branched chain hydrocarbons will not be adsorbed.

SPECIFICATIONS		
Property	Value	Unit
Bead Size	4 x 8	Mesh
Nominal Pore Opening	4	Angstroms
Equilibrium Water Capacity @ 25°C	≥ 22	% Weight
Heat of Adsorption	1800	BTU/lb of H ₂ O
Bulk Density	≥ .70	g/ml
	≥ 44	lbs/ft ³
Crush Strength	≥ 18	lbs
	≥ 80	N
Size Qualification	≥ 97	%
Package Moisture	≤ 1.5	% Weight

TYPICAL APPLICATIONS

Packaging of pharmaceuticals, perishable chemicals and electronics; removing CO₂ from gas and air streams; purification of various gas streams and liquids; water scavenger in paint and plastic systems; commercial drying of saturated hydrocarbons.

PACKAGING INFORMATION

Drums 150 kgs / 330lbs
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.