



## PRODUCT SPECIFICATIONS

### **mSORB® 3A48B**

Molecular Sieve, Type 3A, 4 x 8 Mesh, Beaded

**CHEMICAL FORMULA**  $K_{12} [(AlO_2)_{12}(SiO_2)_{12}] \cdot nH_2O$

#### **PRODUCT DESCRIPTION**

**mSORB® 3A48B** molecular sieve is a multiple purpose, highly porous, high capacity alkali metal aluminosilicate in the spherical form. It is the potassium form of the Type A crystal structure with pore diameters of approximately 3Å. The 3Å pore opening will allow moisture to be adsorbed but will exclude unsaturated hydrocarbons and highly polar alcohols such as methanol and ethanol. It has high mass transfer efficiency and durability.

SPECIFICATIONS		
Property	Value	Unit
Bead Size	4 x 8	Mesh
Nominal Pore Opening	3	Angstroms
Equilibrium Water Capacity @ 25°C	≥ 21	% Weight
Heat of Adsorption	1800	BTU/lb of H <sub>2</sub> O
Bulk Density	≥ .64	g/ml
	≥ 40	lbs/ft <sup>3</sup>
Crush Strength	≥ 18	lbs
	≥ 80	N
Size Qualification	≥ 97	%
Package Moisture	≤ 1.5	% Weight

#### **TYPICAL APPLICATIONS**

Drying of highly polar alcohols such as, ethanol and methanol, drying of unsaturated hydrocarbons (ethylene, propylene, butadiene), static dehydration of gas or air filled insulated glass units, gas drying, and cracked gas drying.

#### **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](http://www.interraglobal.com) or by contacting Interra Global Corporation at 847.292.8600.