

**mSORB® 3A Molecular Sieve Beads, Type A****CHEMICAL FORMULA**

K12 [(AlO<sub>2</sub>)<sub>12</sub>(SiO<sub>2</sub>)<sub>12</sub>] · NH<sub>2</sub>O

**PRODUCT DESCRIPTION**

mSORB 3A molecular sieve is a multiple purpose, highly porous, high-capacity alkali metal alumino-silicate 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.

TYPICAL PROPERTIES	
PRODUCT CODE	3A812B
Nominal Pore Opening(Å)	3
Shape	Bead
Particle Size (Mesh)	8 x 12
Equilibrium Water Capacity (wt%) 25 °C @ 50% RH	≥ 21
Heat of Adsorption (BTU/lb of H <sub>2</sub> O)	1800
Bulk Density (g/ml) [lb/ft <sup>3</sup> ]	≥ .75 [46.8]
Crush Strength (N) (lb)	≥ 35 (8)
Size Qualification (%)	≥ 97
Package Moisture (wt%)	≤ 1.5

**TYPICAL APPLICATIONS**

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

**PACKAGING**

Available in 55 lb (25 kg) drums, 330 lb (150 kg) drums, and super sacks filled to order specification.

**HANDLING & STORAGE RECOMMENDATIONS**

Store in a dry location to prevent unintentional 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 our product SDS, which can be downloaded from our website [interraglobal.com](http://interraglobal.com) or by contacting Interra Global at 847.292.8600.