

**mSORB® 4A-NG**
**NATURAL GAS DEHYDRATION MOLECULAR SIEVE**
**PRODUCT DESCRIPTION**

mSORB® 4A-NG molecular sieve is specifically formulated for the use in typical natural gas dehydration applications where high water capacity and low pressure drop is desired. mSORB® 4A-NG exhibits high mass transfer efficiency and durability, leading to reliable performance and maximum service life. mSORB® 4A-NG molecular sieve is thermally stable at very high temperatures.

**CHEMICAL FORMULA**

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

<b>TYPICAL PROPERTIES</b>		
<b>PRODUCT CODE</b>	<b>4A48B-NG</b>	<b>4A812B-NG</b>
Particle Size (Mesh)	4 x 8	8 x 12
Particle Type	Bead	Bead
Type	4A	4A
Nominal Pore Opening (Å)	4	4
Water Adsorption Capacity (wt%)	≥ 23.5 @ 25°C	≥ 22 @ 25°C
Heat of Adsorption	1800 BTU/lb of H <sub>2</sub> O	1800 BTU/lb of H <sub>2</sub> O
Bulk Density (g/ml)	≥ 0.74	≥ 0.74
Bulk Density (lb/ft <sup>3</sup> )	≥ 46.5	≥ 46.5
Crush Strength (lb)	≥ 29	≥ 11
Crush Strength (N)	≥ 130	≥ 50
Size Qualification (%)	≥ 99	≥ 99
Package Moisture (wt%)	≤ 1.5	≤ 1.5

**TYPICAL APPLICATIONS**

Dehydration of natural gas prior to NGL recovery, LNG production, NGL production where a Type 4A molecular sieve product is preferred. mSORB® 4A-NG products can be utilized to dry air and a wide range of non olefinic liquids and gasses.

**PACKAGING INFORMATION**

4A-NG is packaged in 330 lb steel drums and super sacks filled to order.

**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 SDS, which can be downloaded from our website [www.interraglobal.com](http://www.interraglobal.com) or by contacting Interra Global at 847.292.8600.