

**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**

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

**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**

330lb Drums  
 2100lb Super Sacks

**TYPICAL PROPERTIES**

| PRODUCT CODE                       | 4A48B-NG                        | 4A812B-NG                       |
|------------------------------------|---------------------------------|---------------------------------|
| 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                          | ≥ 22                            |
| 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                           |

**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.