

**mSORB® 3A-NG**  
**NATURAL GAS DEHYDRATION MOLECULAR SIEVE****PRODUCT DESCRIPTION**

mSORB® 3A-NG molecular sieve is specifically formulated for the use in natural gas dehydration applications where COS minimizing is required. mSORB® 3A-NG is designed to minimize the adsorption of CO<sub>2</sub>, H<sub>2</sub>S, and C<sub>2</sub>+ hydrocarbons. mSORB® 3A-NG exhibits high mass transfer efficiency and durability, leading to reliable performance and maximum service life. Heating temperature should not exceed 475°F.

**CHEMICAL FORMULA**

K<sub>12</sub> [(AlO<sub>2</sub>)<sub>12</sub>(SiO<sub>2</sub>)<sub>12</sub>] • nH<sub>2</sub>O

TYPICAL PROPERTIES		
PRODUCT CODE	3A48B-NG	3812B-NG
Particle Size (Mesh)	4 x 8	8 x 12
Particle Type	Bead	Bead
Type	3A	3A
Nominal Pore Opening (Å)	3	3
Water Adsorption Capacity (wt%)	≥ 21.5	≥ 21.5
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)	≥ 22.5	≥ 8
Crush Strength (N)	≥ 100	≥ 35
Size Qualification (%)	≥ 99	≥ 99
Package Moisture (wt%)	≤ 1.5	≤ 1.5

**TYPICAL APPLICATIONS**

Dehydration of natural gas prior to NGL recovery, LNG production where a Type 3A product is preferred due to performance issues. mSORB® 3A-NG can be used to dry many other saturated and unsaturated hydrocarbons.

**PACKAGING INFORMATION**

3A-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 [interraglobal.com](http://interraglobal.com) or by contacting Interra Global at 847.292.8600.