

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 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 @ 25°C	≥ 22 @ 25°C
Heat of Adsorption	1800 BTU/lb of H ₂ O	1800 BTU/lb of H ₂ O
Bulk Density (g/ml)	≥ 0.74	≥ 0.74
Bulk Density (lb/ft ³)	≥ 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 or by contacting Interra Global at 847.292.8600.