



PRODUCT DATA

mSORB® 4A
MOLECULAR SIEVE EXTRUDATED PELLETS, TYPE 4A

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

PRODUCT DESCRIPTION

mSORB 4A116P and 4A18P molecular sieve are an alkali metal aluminosilicate in the extruded pellet form. It is the sodium form of the Type-A crystal structure with an effective pore opening of 4Å. It will adsorb molecules such as oxygen, nitrogen, carbon dioxide, and straight chain hydrocarbons. Aromatics and branched chain hydrocarbons will not be adsorbed.

TYPICAL PROPERTIES		
PRODUCT CODE	4A18P	4A116P
Pellet Size (inches)	1/8"	1/16"
Nominal Pore Opening (Å)	4	4
Shape	Pellet	Pellet
Equilibrium Water Capacity @ 25°C @ 50% RH (weight %)	≥ 22	≥ 22
Methanol Adsorption (weight %)	≥ 14	≥ 14
Heat of Adsorption (BTU/lb of H ₂ O)	4200	4200
Bulk Density (g/ml) (lb/ft ³)	≥ .66 (≥ 42)	≥ .68 (≥ 42)
Crush Strength (N) (lb)	≥ 80 (≥ 18)	≥ 35 (≥ 8)
Size Qualification (%)	≥ 95	≥ 95
Package Moisture (weight %)	≤ 1.5	≤ 1.0

TYPICAL APPLICATIONS

Packaging of pharmaceuticals, perishable chemicals and electronics; removing CO₂ from gas and air streams; purification of various gas streams and liquids; water scavenger in paint and plastic systems; commercial drying of saturated hydrocarbons.

PACKAGING INFORMATION

mSORB 4A18P and mSORB 4A116P are available in 275 lb (25 kg) steel drums and super-sacks filled to order.

HANDLING & STORAGE RECOMMENDATIONS

Store in a dry location to prevent unintentional water adsorption. Do not store outdoors. 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 web site www.interraglobal.com or by contacting Interra Global at 847.292.8600.