DELTA ADSORBENTS

PRODUCT
SPECIFICATIONS

mSORB® 3A812B

Molecular Sieve, Type 3a, 8 x 12 Mesh, Beaded

CHEMICAL FORMULA $K_{12}\,[(AlO_2)_{12}(SiO_2)_{12}] \cdot nH_2O$

PRODUCT DESCRIPTION

mSORB® 3A812B molecular sieve is a multiple purpose, highly porous, high capacity alkali metal alumino-silicate in the spherical form. It is the potassium form of the Type A crystal structure with pore diameters of approximately 3Å. The 3Å pore opening will allow moisture to be adsorbed but will exclude unsaturated hydrocarbons and highly polar alcohols such as methanol and ethanol. It has high mass transfer efficiency and durability.

SPECIFICATIONS		
Property	**Value**	**Unit**
Bead Size	8 x 12	Mesh
Nominal Pore Opening	3	Angstroms
Equilibrium Water Capacity @ 25°C	≥ 21	% Weight
Heat of Adsorption	1800	BTU/lb of H_2O
Bulk Density	≥ .64	g/ml
	≥ 40	lbs/ft^3
Crush Strength	≥ 8.0	lbs
	≥ 35	N
Size Qualification	≥ 97	%
Package Moisture	≤ 1.5	% Weight

TYPICAL APPLICATIONS

Drying of highly polar alcohols such as, ethanol and methanol, drying of unsaturated hydrocarbons (ethylene, propylene, butadiene), static dehydration of gas or air filled insulated glass units, gas drying, and cracked gas drying.

PACKAGING INFORMATION

Drums	150 kgs / 330lbs
Super Sacks	Fill weights to order specification

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 MSDS, which can be downloaded from our web site www.deltaadsorbents.com or by contacting Delta Adsorbents at 800.274.3205.

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