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PRODUCT SPECIFICATIONS

AGM Part Number 920504

Molecular Sieve, Type 3A, 4 x 8 Mesh Beaded

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

PRODUCT DESCRIPTION

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 a high mass transfer efficiency and durability.

SPECIFICATIONS		
Property	Value	Unit
Bead Size	4-8	Mesh
Nominal Pore Opening	3	Angstroms
Equilibrium Water Capacity @ 25°C	≥ 21	%
Heat of Adsorption	1800	BTU/lb of H ₂ O
Bulk Density	≥ .64	g/ml
	≥ 40	lbs/ft ³
Crush Strength	≥ 18	lbs
	≥ 60	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

Bags 330 lb (150 kg)
Super Sacks Fill weights to order specification

HANDLING AND STORAGE RECOMMENDATIONS

Store 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 the product MSDS.