



AGM Container Controls, Inc.
3526 E. Fort Lowell Rd., Tucson, AZ 85716
Tel: 520-881-2130
Email: sales@agmcontainer.com
Website: www.agmcontainer.com

PRODUCT SPECIFICATIONS

AGM Part Number 920515

Molecular Sieve, Type 4A, 8 x 12 Mesh Beaded

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

PRODUCT DESCRIPTION

Molecular sieve is an alkali aluminosilicate in the spherical form. It is the sodium form of the Type A crystal structure with an effective pore opening of approximately 4Å. It will adsorb molecules, such as oxygen, nitrogen, carbon dioxide, and straight chain hydrocarbons. Aromatics and branched chain hydrocarbons will not be adsorbed.

SPECIFICATIONS			
Property	Value		Unit
Bead Size	8x12		Mesh
Nominal Pore Opening	4		Angstroms
Equilibrium Water Capacity @ 25°C	≥	22	%
Heat of Adsorption	1800		BTU/lb of H ₂ O
Bulk Density	≥	.70	g/ml
	≥	44	lbs/ft ³
Crush Strength	≥	7	lbs
	≥	30	N
Size Qualification	≥	97	%
Package Moisture	≤	1.5	% Weight

TYPICAL APPLICATIONS

As a desiccant in air dryers, 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

Drums 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.