

Molecular Sieve 3A

Molecular Sieve 3A is an alkali metal aluminosilicate, it is the potassium form of the type A crystal structure. Type 3A has an effective pore opening of about 3 angstroms (0.3nm). It adsorbs molecules with effective diameters smaller than approximately 3 angstroms. But excludes molecules such as unsaturated hydrocarbons.

Property	Unit	Bead		Pellet		Note
		1.6-2.5	3.0-5.0	1/16"	1/8"	
Diameter	mm	1.6-2.5	3.0-5.0	1/16"	1/8"	
Static Water Adsorption	%wt	≥21.50	≥21.50	≥21.50	≥21.50	RH75%, 25°C
Bulk Density	g/ml	≥0.75	≥0.75	≥0.70	≥0.70	Tapped
Loss on Ignition	%wt	≤1.50	≤1.50	≤1.50	≤1.50	550°C, 1hr
Loss on Attrition	%wt	≤0.10	≤0.10	≤0.20	≤0.20	~
Crush Strength	N	≥35.00	≥100.00	≥40.00	≥90.00	Avg. 25 beads
Particle Ratio	%	≥98.00	≥98.00	≥98.00	≥97.00	~

Recommended Application:

1. Drying of unsaturated hydrocarbons (e.g. ethylene, propylene, butadiene)
2. Air Drying.
3. Drying of natural gas, if COS minimization is essential, or a minimum co-adsorption of hydrocarbons is required.

Packing:

55 gallon air-tight iron drum,

1000kg super sack

※Other packing according to your requirement.