

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	3-5	1/16"	1/8"	
Static Water Adsorption	%wt	≥21.5	≥21.5	≥20	≥20	RH50%, 25°C
Bulk Density	g/ml	≥0.74	≥0.74	≥0.65	≥0.65	Tapped
Loss on Ignition	%wt	≤1.50	≤1.50	≤1.50	≤1.50	575°C, 1hr
Loss on Attrition	%wt	≤0.10	≤0.10	≤0.30	≤0.30	~
Crush Strength	N	≥30	≥80	≥30	≥70	Avg. 25 beads
Particle Ratio	%	≥97	≥99	~	~	~

Recommended Application:

1. Drying of unsaturated hydrocarbons (e.g. ethylene, propylene, butadiene)
2. Cracked Gas Drying.
3. Drying of natural gas, if COS minimization is essential, or a minimum co-adsorption of hydrocarbons is required.
4. Drying of highly polar compounds, such as methanol and ethanol.
5. Static, (non-regenerative) dehydration of insulating glass units, whether air filled or gas-filled.

Packing:

55 gallon air-tight iron drum,

25 kg carton with inner PE bag.

※Other packing according to your requirement.