

Molecular Sieves 4A

Molecular Sieve 4A is an alkali aluminosilicate; it is the sodium form of the Type A crystal structure. Molecular sieve 4A has an effective pore opening of about 4 angstroms (0.4nm). It will adsorb most molecules with a kinetic diameter of less than 4 angstroms and exclude those larger. Such adsorbable molecules include simple gas molecules such as oxygen, nitrogen, carbon dioxide and straight chain hydrocarbons. Branched chain hydrocarbons and aromatics are excluded.

Technical Specification

Properties	Unit	Bead		Pellet		Note
		1.6-2.5	3.0-5.0	1/16"	1/8"	
Static Water Adsorption	%wt	≥22.50	≥22.50	≥22.00	≥22.00	RH75%, 25°C
Bulk Density	g/ml	≥0.74	≥0.72	≥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	≥40.00	≥80.00	≥35.00	≥80.00	Avg. 25 beads
Particle Ratio	%	≥ 97.00	≥99.00	~	~	~

Recommended Application:

1. Drying and removing of CO₂ from natural gas, LPG, air, inert and atmospheric gases, etc.
2. Removal of hydrocarbons, ammonia and methanol from gas streams (ammonia syn gas treating).
3. Dehydration of refrigerant and air in the air break units of buses, trucks and locomotives.
4. Packed in small bags for packing desiccant for foods, etc

Packing:

55 gallon air-tight iron drum.

25 kg carton with inner PE bag.

※Other packing according to your requirement.