



JALON (THAILAND) CO., LTD.

Add.: No. 890/68, Mu 3, Khao Khan Song, Si Racha, Chon Buri, Thailand, 20110

+66 33 265 700

info@jalon.co.th

0205563014647

Molecular Sieve 13X

Molecular Sieve 13X is the sodium form of the type X crystal and has a much larger pore opening than the type A crystals. It adsorbs molecules with a kinetic diameter of less than 9 Angstrom (0.9nm) and excludes larger than 0.9nm molecules.

Technical Specification:

Property	Unit	Bead		Note
		1.6-2.5	3.0-5.0	
Diameter	mm	1.6-2.5	3.0-5.0	
Static H ₂ O Adsorption	%wt	≥26.00	≥26.00	RH75%, 25°C
Static CO ₂ Adsorption	%wt	≥18.00	≥18.00	250mmHg, 25°C
Bulk Density	g/ml	≥0.62	≥0.62	Tapped
Loss on ignition	%wt	≤1.50	≤1.50	575°C, 1hr
Loss on Attrition	%wt	≤0.10	≤0.10	~
Crush strength	N	≥30.00	≥80.00	Avg. 25 beads
Particle ratio	%	≥97.00	≥99.00	~

Recommended Application:

1. Removal CO₂ and moisture from the air (air pre-purification) and other gases.
2. Separation of enriched oxygen from the air.
3. Removal of mercaptans and hydrogen sulfide from hydrocarbon liquid streams such as LPG, butane, and propane.
4. Catalyst protection, removal of oxygenates from hydrocarbons (olefin streams)
5. Removal of n-chained compositions from aromatics

Packaging:

Steel drum - Size D58*H87CM