

# Texalan Molecular Sieve Zeolite

— Molecular Sieve 10A

# Texalan

**Molecular Sieve 10A(Molecular Sieve 13X)** is the sodium form of the type X crystal and has a much larger pore opening than the type A crystals. Has a pore size of roughly 10A. It will adsorb molecules with a kinetic diameter of less than 9 Angstrom (0.9nm) and exclude molecules of larger than 0.9nm.

Item	Unit	Molecular Sieve 10A 8*12Mesh	
Bead Size	mm	1.6-2.5	
Bulk Density	g/ml $\geq$	0.68-0.85	
Equilibrium Water Capacity @ 25°C	wt% $\geq$	24.0-27.0	
Equilibrium Carbon Dioxide Capacity	wt% $\geq$	18.0	
Heat of Adsorption	BTU/lb of H <sub>2</sub> O	1800.0	
Crush Strength	Point Contact	N $\geq$	30-80
	Variation Coefficient	-	0.3
Attrition Rate	wt% $\leq$	0.1	
Size Qualification	% $\geq$	97.0	
Package Moisture	wt% $\geq$	1.5	
The interval value of the indexes above are on the basis of the different grade of Molecular Sieve 10A			

## Recommended Application

1. Air refining by removing carbon dioxide and water..
2. Separation of enriched oxygen from air.
3. Removal of mercaptans and hydrogen sulphide from hydrocarbon liquid streamssuchas LPG, butane, propane etc.
4. Catalyst protection, removal of oxygenates from hydrocarbons (olefin streams)
5. Removal of mercaptans and hydrogen sulphide from hydrocarbon liquid.
6. Removal of grease and solvents.

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