

MOLECULAR SIEVES TYPE 13X

Description

Molecular Sieves Type 13X are crystalline metal aluminosilicates having an effective pore opening of 10 angstroms. Type 13X are the sodium form of the Type X crystal structure. It can adsorb all molecules that can be adsorbed by 3A, 4A and 5A Molecular Sieves.

Application

- Air Plant Feed Drying and CO₂ Removal.
- Natural Gas Mercaptan Removal.
- LPG Sweetening; H₂S and Mercaptan Removal.
- LNG Plant Feed Pretreatment; H₂O, CO₂, H₂S, Mercaptan Removal.

General Properties

Form in which supplied: Beads

Mean particle diameters	4 X 8 (4 mm)
	8 X 12 (2 mm)
Nominal pore size	10 Angstroms
Bulk Density	40 - 41 Lbs/ft ³
Average crushing strength under increasing pressure (Lb)	
4 X 8 mesh	16
8 X 12 mesh	7
Equilibrium water capacity (theoretical)	29.5% wt.
Water Content (as shipped).....	1.5% wt. (max.)
Heat of adsorption (max).....	1,800 Btu/lb H ₂ O
Specific heat (approx)	0.23 Btu/lb/°F
Recommended temperature of regeneration (°F)	250 - 600

Packaging

Type 13X Molecular Sieves are delivered in drums containing 60 lbs, 150 lbs and 275 lbs net of product.