

MOLECULAR SIEVES TYPE 4A

Description

Molecular Sieves Type 4A are crystalline metal aluminosilicates having an effective pore opening of 4 angstroms. Type 4A are the sodium form of the Type A crystal structure and represent the basic structure for the Type A family of Molecular Sieves.

Application

- Double-Glazing Industry
- Drying of Olefin, Jet Fuel, Kerosene, Alkylation Feed, Hexane, Benzene, Ethylene, Propylene, Methanol, Ethanol and Isopropanol.
- Drying of Hydrogen Rich Gas, Hydrocracker Gas and Natural Gas.
- Natural Gas H₂S and CO₂ Removal.
- Drying of Fluorocarbons for Refrigeration Systems.

General Properties

Form in which supplied: Beads

Mean particle diameters	4 X 8 (4 mm)
	8 X 12 (2 mm)
Nominal pore size	4 Angstroms
Bulk Density	44 - 45 Lbs/ft ³
Average crushing strength under increasing pressure (Lb)	
4 X 8 mesh	20
8 X 12 mesh	8
Equilibrium water capacity (theoretical)	23% 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 4A Molecular Sieves are delivered in drums containing 60 lbs, 150 lbs and 300 lbs net of product.