SILICA GEL
DESICCANT PRODUCTS

Data Sheet

MOLECULAR SIEVES
TYPE 3A

Description

Molecular Sieves Type 3A are crystalline metal aluminosilicates having an effective pore opening of 3 angstroms. Type 3A are formed by replacing a large fraction of the sodium cations with potassium cations.

Application

- Double-Glazing Industry
- Drying of Olefin, Jet Fuel, Kerosene, Alkylation Feed, Hexane, Benzene, Ethylene, Propylene, Methanol, Ethanol and Isopropanol.
- Polyurethane based formulations.

General Properties

Form in which supplied: Beads	
Mean particle diameters	4 X 8 (4 mm)
	8 X 12 (2 mm)
Nominal pore size	3 Angstroms
Bulk Density	44 - 45 Lbs/ft^3
Average crushing strength under increasing pressure (Lb)	
4 X 8 mesh	13
8 X 12 mesh	9
Equilibrium water capacity (theoretical)	21% wt.
Water Content (as shipped)	1.5% wt. (max.)
Heat of adsorption (max)	1,800 Btu/lb H_2O
Specific heat (approx)	0.23 Btu/lb/^oF
Recommended temperature of regeneration (^oF)	250 - 600

Packaging

Type 3A Molecular Sieves are delivered in drums containing 60 lbs, 150 lbs and 300 lbs net of product.

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