

## BLUE INDICATING MOLECULAR SIEVES TYPE 4A

### Description

Blue Indicating 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. The Molecular Sieves are impregnated with cobalt chloride (blue indicator). They gradually change from blue color in the activated condition to pink/beige color in the saturated condition.

### Application

The Blue Indicating Molecular Sieves are used as a combination of desiccant and relative humidity indicator.

### 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 .....	46 - 47 Lbs/ft <sup>3</sup>
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 <sub>2</sub> O
Specific heat (approx) .....	0.23 Btu/lb/°F
Recommended temperature of regeneration (°F) .....	250 - 600
Color .....	Blue (activated) / Pink-Beige (saturated).

### Packaging

Blue Indicating Molecular Sieves Type 4A are delivered in drums containing 55 lbs net of product. (Please contact us for special packaging).