

# Molecular Sieve



Molecular sieve is most effective for applications with low inlet flows and low relative humidities, (less than 30-35%RH). A common molecular sieve application is working as a polishing layer to achieve dew points down to -100°F, and in applications for drying hydrocarbons and other exotic gases.

Molecular Sieve is a combination of optimized desiccant materials including: sodium potassium and calcium alumina silicate. The actual combination of materials varies depending on the product. Fluid Energy offers a wide selection of molecular sieve to meet the requirements of different drying applications. Molecular sieve is non-toxic and insoluble to water and most organic solvents. Because molecular sieve can provide the lowest possible dew points it is used in the most demanding and unique drying applications.

## Typical Molecular Sieve Properties for Type 4A

<b>PART NUMBER</b>	<b>M6-MOLESIEVE300</b>
<i>BEAD SIZE</i>	1/16"
<i>COLOUR</i>	Light Tan
<i>SURFACE AREA</i>	780m <sup>2</sup> /gram
<i>WATER CONTENT</i>	1.5% MAX
<i>BULK DENSITY</i>	45 lbs. ft <sup>3</sup>
<i>CRUSH STRENGTH</i>	9 lbs
<i>EQUILIBRIUM WATER CAPACITY</i>	24%