

Molecular Sieve

Powder, Paste, Beads and Pellets

Versatile adsorbent for all applications

Molecular Sieves are synthetic crystalline zeolites in which the atoms are arranged in a definite pattern. Internally, the structure has many cavities inter-connected by smaller pores of a uniform size. These pores are only able to accept and pass to the cavities molecules of the same and smaller size, hence the name molecular sieve.

The water vapour adsorption characteristics are very different from those of silica gel. Molecular sieves can adsorb up to approximately 20% by weight of water before the relative humidity of the surrounding air increases significantly. Any further increase causes a large rise in relative humidity.

Molecular Sieves are available in four primary generic forms, 3A, 4A, 5A and 13X. Each form has its own specific properties and applications, and all retain a polar preference for adsorption of water.

- **Dries mixed streams**
- **Purifies and dries**
- **Achieves low dewpoints**
- **Low investment and operating costs**
- **Versatile range of adsorbents for varied applications**



Paste



Beads & Pellets

Powder



STANDARD PACKAGING

Powder: 20kg PE bag

Paste: 30kg steel drums; 100kg steel drums; 1000kg IBC

Pellets: 125kg steel drums; 135 steel drums

Beads: 125kg steel drums; 135 steel drums; 150kg steel drums

Other packaging (available upon request) includes bulk bags and bulk trucks.



1000 Kg IBC container