

# SofnoSiv™

## Molecular Sieve



SofnoSiv™ is a synthetic sodium form of alkali metal, alumina silicate (zeolite) with a characteristic 13X structure.

### Description

SofnoSiv™ 13X Molecular Sieve is used for general gas drying and purification.

Molecular sieves are materials that contain small internal pore structures of a precise size that can selectively absorb molecules according to their size. The size of the pore determines the types of molecules that can be absorbed. SofnoSiv™ is a 13X material that can be used to absorb a large range of small molecules in a variety of applications including drying and absorbance of small organic molecules from breathing air streams.

### Typical properties

Size Range	2.5 - 5mm Beads	
Pore Size	10 Angstrom	
Bead Crush Strength	≥ 75 N	
Bulk Density	≥ 0.63 g/cm <sup>3</sup>	
Water Capacity		
@ 18mm Hg 20° C	Minimum 21.0% w/w	
@ 5mm Hg 20° C	Minimum 26.0% w/w	
Water Content (as shipped)	< 2%	
Molecules Absorbed	Molecules with an effective diameter	< 10 Å
Molecules Exsorbed	Molecules with an effective diameter	> 10 Å
Packaging	140kg or 12kg steel drums	
Shelf Life	12 months (from date of delivery)	



### Quality

Molecular Products Ltd's aim is to manufacture chemical products which satisfy completely the needs of our customers. All products are rigorously tested to ensure conformance to the specification. Our activities comply to the requirements of ISO 9001:2008 and Good Manufacturing Practice.

### Molecular Products Limited

Mill End, Thaxted, Essex  
CM6 2LT United Kingdom

**T** +44 (0)1371 830676  
**F** +44 (0)1371 830998

**E** sales@molprod.com  
**W** www.molecularproducts.com