

TECHNICAL DATA SHEET

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

Particle diameter (mm)	3-5 mm
Nominal pore diameter (Å)	8
Crush strength	8 (lbs) / 3.5 (kgs)
Stack loaded density	40 (lb/ft ³) / 641 (kg/m ³)
Heat of adsorption (Btu/lb H ₂ O)	1800
(kJ/kg H ₂ O)	4186
Moisture content (wt-%)	1
Equilibrium H ₂ O capacity (wt-%) (measured at 17.5 mm Hg and 25°C)	26



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 with the requirements of ISO 9001

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