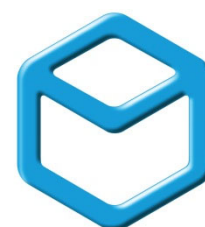


# Ionex<sup>®</sup> - Type Zn 100

Zinc ion-exchanged molecular sieve for high purity gas production.



**molecular**

## Description

Ionex<sup>®</sup> - Type Zn 100 is a zinc ion-exchanged 3-A Type molecular sieve with superior properties for selective removal of phosphine from silane gas streams. This inorganic alumina silicate material contains supercages within its crystalline structure which allow extremely large capacity for trapping phosphine in gas purification adsorption systems.

## Typical properties

<b>Pore diameter</b>	Approx. 4.5 Angstroms
<b>Hardness, ball-pan</b>	90 minimum
<b>K/Zn ion exchange ratio</b>	0.9 to 1.3
<b>Zinc content</b>	7% minimum
<b>Flammability</b>	Non-flammable
<b>Apparent density</b>	0.73 to 0.79g/cm <sup>3</sup>
<b>Moisture content</b>	5% maximum

## Standard particle size

Molecular Products Inc. designation	Particle size	Particle shape
E16	1/16 inch	Extrudate

## Particle size distribution

<b>Oversize maximum</b>	5%
<b>Nominal mesh size</b>	90% minimum
<b>Undersize maximum</b>	5%

Note: this technical datasheet indicates physical properties that are standard and typical. Molecular Products Inc. will meet customer specifications as required.

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Doc. No. 411 Rev. C