

# Ionex<sup>®</sup> - Type Ag 400



A synthetic silver-exchanged zeolite for getting hydrogen from vacuum spaces of cryogenic apparatus.

## Description

Ionex<sup>®</sup>-Type Ag 400 is a synthetic silver-exchanged zeolite with superior properties getting hydrogen from vacuum spaces of cryogenic apparatus, selective removal of halogens from gas streams, and as a hydrogen/oxygen recombiner catalyst. This inorganic alumina silicate material contains supercages within its crystalline structure which are especially large and uniform in size. These cavities and their large entrances (pores) allow extremely large capacity for trapping contaminants and maximum utilization of the exchanged silver cations.

## Typical properties

<b>Nominal Pore Size</b>	7.4 Angstroms into large cavities, 2.2 Angstroms into B cage
<b>Hardness Number, Ball Pan</b>	90 minimum
<b>Heat of Adsorption</b>	1800 BTU/lb. H <sub>2</sub> O
<b>Equilibrium Water Capacity</b>	20% by weight
<b>Silver Content</b>	37% minimum
<b>Flammability</b>	Non-flammable
<b>Thermal Stability</b>	Efficient adsorption up to 500° C
<b>Binder</b>	Acid-resistant type, 20% by weight
<b>Apparent Density</b>	0.91-1.10 g/cm <sup>3</sup> for Ag 400 B3
<b>Moisture</b>	≤2.0%

## Standard particle sizes

Molecular Products Inc. designation	Particle size	Particle shape
<b>B3</b>	10 x 20 (U.S.) mesh	Beads
<b>E16</b>	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.

## Molecular Products Inc.

633 CTC Blvd  
Louisville, CO 80027

**T** (303) 666 4400  
**F** (303) 665 0563

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

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# T E C H N I C A L   D A T A S H E E T

## Additional Information

Standard Packaging Size	No. of Jars per box	Net wt.	Gross wt.	Box Dimensions (W x D x H) cm
500 gr Amber Glass Jar/10 Pack	10	5000 gr	9.32 kg	56.21 x 26.67 x 20.48 cm

For larger quantities requiring custom packaging please contact Customer Service at 303-666-4400 or email us at [customerservice@molprod.com](mailto:customerservice@molprod.com).



### Amber Glass Jar Description

625 cc Amber Glass Wide Mouth Packer, Round, 53-400,  
Neck Size (MM) 53; Neck H Dimension 400; Jar H (MM) 153.7

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**W** [www.molecularproducts.com](http://www.molecularproducts.com)

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