

Ionex[®] - Type Ag 400



molecular

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

Description

Ionex[®]-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

Nominal Pore Size	7.4 Angstroms into large cavities, 2.2 Angstroms into B cage
Hardness Number, Ball Pan	90 minimum
Heat of Adsorption	1800 BTU/lb. H ₂ O
Equilibrium Water Capacity	20% by weight
Silver Content	37% minimum
Flammability	Non-flammable
Thermal Stability	Efficient adsorption up to 500° C
Binder	Acid-resistant type, 20% by weight
Apparent Density	0.91-1.1 g/cm ³ for Ag 400 B3
Moisture	≤2.0%

Standard particle sizes

Molecular Products Inc. designation	Particle size	Particle shape
B3	10 x 20 (U.S.) mesh	Beads
E16	1/16 inch	Extrudate

Particle size distribution

Oversize maximum	5%
Nominal mesh size	90% minimum
Undersize maximum	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.

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Doc.: 189 Rev.: G
Page 1 of 2

TECHNICAL DATASHEET

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/Single Pack	1	500 gr	1.05 kg	22.56 x 16.84 x 11.76 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.



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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Page 2 of 2