



TYPE 3A-IG MOLECULAR SIEVE Insulating Glass Desiccant for Solvent-free Systems

Product Information

CHEM SOURCE Type 3A-IG Molecular Sieve Beads were specifically developed to give maximum performance performance in Insulating Glass Units. Their unique combination of high water adsorption and low Nitrogen and Argon adsorption makes CHEM SOURCE's 3A-IG Molecular Sieve the preferred desiccant for maximizing your Insulating Glass Unit's life, appearance and performance.

CHEM SOURCE Type 3A Molecular Sieves for Insulating Glass applications are true "Low Deflection" desiccants. This "Low Deflection" characteristic means your windows have better appearance, less distortion in reflected images and lower glass and sealant stress. This dramatically lowers the potential for sealant failure or glass breakage at low temperatures and low barometric pressure.

CHEM SOURCE 3A-IG Molecular Sieve Beads for Insulating Glass Fabrication provide the optimum properties for all Dual Seal and Hot Melt Butyl Sealed units.

High Water Adsorption

Low Glass Deflection

Low Seal Stress

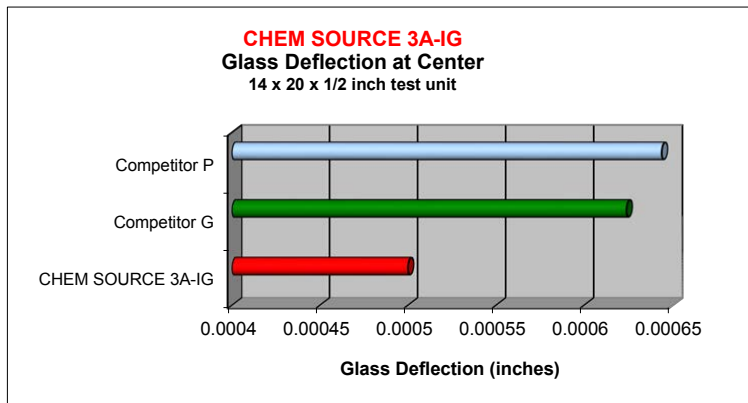
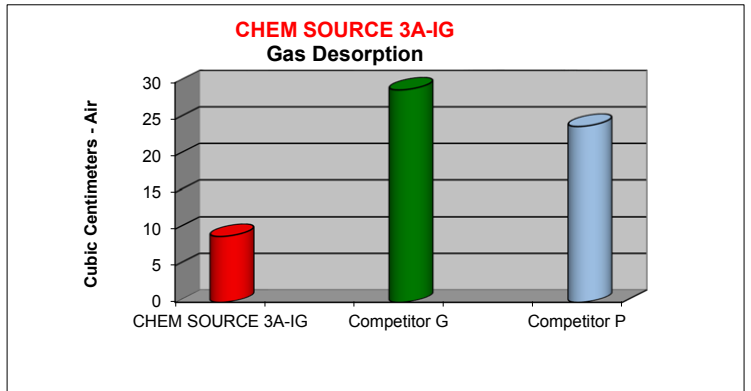
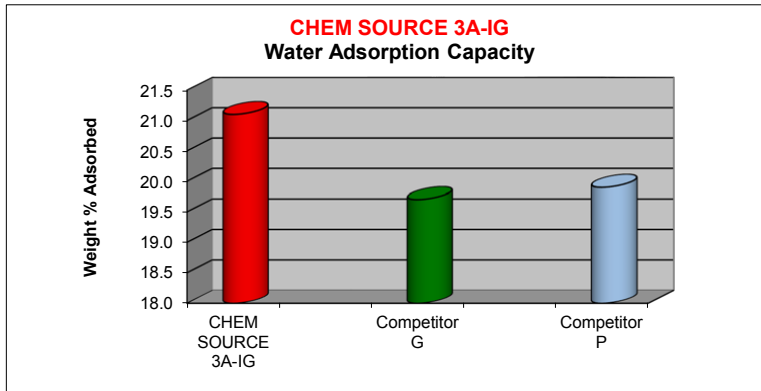
Low Argon Adsorption

Longer Unit Life

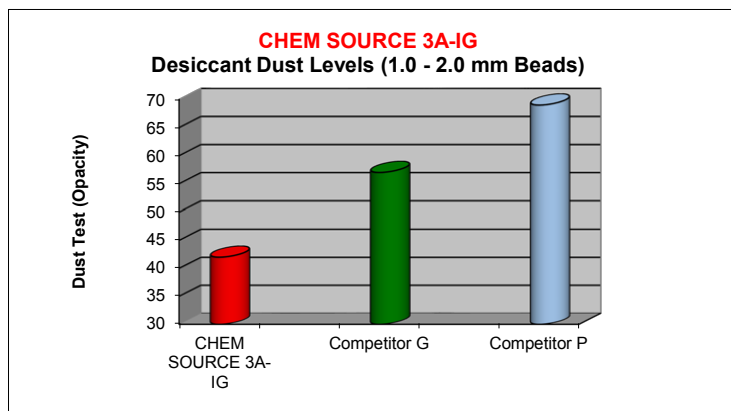
Less Glass Breakage

Low Unit Failures

High Insulating Value



CHEM SOURCE 3A-IG Molecular Sieve Beads for Insulating Glass applications are processed to have low desiccant dusting characteristics. This avoids unsightly dust formation on the bottom spacer bar between the panes of glass.



Type 3A Molecular Sieve Beads for Insulating Glass Applications are available in two standard particle size distributions

Type 3A-IG, 1.0 to 2.0 mm Beads: Recommended for all IG Unit configurations with spacer sizes greater than 1/4 inch.

Type 3A-IG, 0.5 to 1.0 mm Beads: Recommended for automated Desiccant filling systems, such as Lisec Machines and narrow profile spacers (1/4 inch and smaller)

**Product Specifications and Typical Properties
CHEM SOURCE- Type 3A -IG Molecular Sieve Beads**

Test	1.0 to 2.0 mm Beads		0.5 to 1.0 mm Beads	
	Spec.	Typical Values	Spec.	Typical Values
Moisture Content (3 hrs @ 575 °C)	1.5 % max.	0.8%	1.5 % max.	0.8%
Water Adsorption @ 50%RH and 25 °C	20.5% min.	20.8%	20.5% min.	21.0%
Density (Kgs./liter)	0.69 - 0.75	0.73	0.69 - 0.75	0.73
Abrasion Resistance (wt. %)	0.2 % max.	0.07%	0.2 % max.	0.08%
Dust Test (ppm)	40 max	31	40 max	29
Gas Desorption (ml)	40	29	40	28
Temperature Rise (°C) (50/50 mix by wt.)	54 °F min.	73 °F	54 °F min.	74 °F
Particle Size (Beads)				
0.5 to 1.0 mm			98 % min	99.4%
1.0 - 2.0 mm	98 % min	99.3%		

Product Packaging

CHEM SOURCE Type 3A - IG Molecular Sieve Beads are available in the following standard Packages:
 25 Kg moisture proof bag. Each bag packed in a cardboard box, 40 bags/boxes per pallet = 1,000 Kgs
 80 Kgs per fiber drum, 6 drums per pallet
 140 Kgs per fiber drum, 4 drums per pallet
 500 Kgs per Super Sack, 2 sacks per pallet

Shelf Life

The shelf life of Chem Source Molecular Sieve Powder packaged in an undamaged, factory sealed container is at least 2 years.

Product Safety

Molecular Sieve Beads are crystalline alumino silicate powder formed into beads with Clay binders. Since Clay binders are naturally occurring materials, they may contain low quantities of crystalline silica. Care should be taken to avoid direct inhalation of dust particles from Molecular Sieve Beads and proper safety equipment should be used at all times.

Please consult the Material Safety Data Sheet for all Health and Safety Information.

Ordering Information

To purchase this product or to obtain price quotations or additional information, please contact:

Ramapo
4760 Goer Drive, Unit F
North Charleston, SC 29406
Phone: (843) 747-2577
Fax: (843) 747-5077
email: info@ramaposales.com

The information contained herein is based upon our testing and experience, and is believed accurate. Since operating and use conditions can vary, and since we do not control such conditions, we must DISCLAIM ANY WARRANTY, EXPRESSED OR IMPLIED, with regard results to be obtained from the use of this product.

Rev. # 14V
 170427