



DS 2000 MOLSIV™ ADSORBENT

DESCRIPTION

DS 2000 Molsiv Adsorbent is a homogeneous product composed of two types of molecular sieve. When used to manufacture insulated glass windows, this high-capacity adsorbent can achieve and maintain water dew points as low as -75°C . DS 2000 Molsiv Adsorbent is the preferred desiccant for polysulphide and dual sealed units due to its superior solvent capacity. This product also has low air and inert gas (argon) capacity to minimise deflection and seal stress.

SPECIAL FEATURES

Solvent capacity: Prevents solvent fogging by adsorbing volatile organics associated with polysulphide and dual sealed units, and additions to the air space such as Georgian bar, decorative bevels and lead. Other airborne hydrocarbons, such as cleaning solvents and touch-up paint, will also be readily adsorbed.

Low air and inert gas capacity: Adsorbent related unit deflection and seal stresses are reduced. The low

u-values expected by inert gas filling are achieved by keeping the gas between the glass and minimising the amount adsorbed on the adsorbent.

Superior bead strength: Minimised dusting and chipping occurs during pneumatic conveying and spacer filling.

Non-separating: Every insulated glass unit has consistently high water and solvent capacity.

SAFETY AND HANDLING

See the UOP brochure entitled 'Molecular Sieve Safety Bulletin for Manufacturers' or contact your local UOP representative. DS 2000 Molsiv Adsorbent test kits are available for quick, in-plant monitoring of residual moisture and adsorbent activity.

SHIPPING INFORMATION

DS 2000 Molsiv Adsorbent is available in moisture-resistant bags-in-boxes, single component PE-bags, steel drums and super sacks.

TYPICAL PHYSICAL PROPERTIES

DS 2000 Molsiv Adsorbent	1.3mm Beads	Mini Beads	Extra Mini Beads³
Bead size range (mm)	1.0-1.68	0.6-1.3	0.46-0.84
Bulk density (kg/m ³)	730	730	730
Residual moisture content, as packaged (wt-%)	1.0	1.0	1.0
Equilibrium H ₂ O capacity ¹ (wt-%)	22	22	22
H ₂ O Adsorption capacity ² (wt-%)	21	21	21
Attainable moisture dew point (°C)	-75	-75	-75
Solvent Capacity (wt-%)	6	6	6
Opacity (Dust)	22	22	22

¹ Measured at 17.5mm Hg H₂O, 25°C

² 32% r.h., 23°C [according to prEN 1279.2 (wt-%)]

³ Suitable for pneumatic desiccant fillers

FOR MORE INFORMATION

For more information, contact your UOP representative or UOP's Adsorbents business at:

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