



XL8 MOLSIV™ ADSORBENT

DESCRIPTION

XL8 Molsiv Adsorbent is a pure 3A molecular sieve product. When used to manufacture insulated glass windows, this high-capacity adsorbent can achieve and maintain water dew points as low as -75°C . It also has the lowest air, inert gas (argon or krypton), and SF_6 capacity of all the insulated glass products.

SPECIAL FEATURES

Low air and inert gas capacity: Adsorbent related unit deflection and seal stresses are minimised. 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.

TYPICAL PHYSICAL PROPERTIES

<u>XL8 Molsiv Adsorbent</u>	<u>1.3mm Beads</u>	<u>Mini Beads</u>	<u>Extra Mini Beads³</u>
Nominal pore diameter (Å)	3	3	3
Bead size range (mm)	1.0-1.68	0.6-1.3	0.46-0.84
Bulk density (kg/m^3)	740	740	760
Residual moisture content, as packaged (wt-%)	0.6	0.6	0.6
Equilibrium H_2O capacity ¹ (wt-%)	22	22	22
H_2O Adsorption capacity ² (wt-%)	21	21	21
Attainable moisture dew point ($^{\circ}\text{C}$)	-75	-75	-75
Air Adsorption/Desorption (cm^3/gm)	0.2	0.2	0.2
Opacity (dust)	22	22	22

¹ Measured at 17.5mm Hg H_2O , 25°C

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

³ Suitable for pneumatic desiccant fillers

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

SAFETY AND HANDLING

See the UOP brochure entitled 'Molecular Sieve Safety Bulletin for Manufacturers' or contact your local UOP representative. XL8 Molsiv Adsorbent test kits are available for quick, in-plant monitoring of residual moisture and adsorbent activity.

SHIPPING INFORMATION

Molsiv XL8 adsorbent is available in moisture-resistant bags in boxes, single component PE-bags, steel drums and super sacks.

FOR MORE INFORMATION

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

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