



EuroSiv

3A Molecular Sieve Desiccant

DESCRIPTION

Eurosiv molecular sieve is a high- performance adsorbent developed for the quality-focused insulated glass manufacturer. Eurosiv is characterised by a high humidity adsorption capacity but a low air or gas adsorption value. These homogenous dust free beads are suitable for all insulated glass systems, whether solvent-free or gas filled.

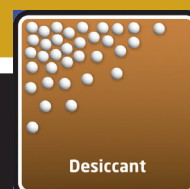
PRODUCT SPECIFICATION

DESCRIPTION	TEST UNIT	SPECIFICATION	
Product Type		Mini Bead	Standard Bead
Recommended Use		Automatic Filling	Manual Filling
Bead Distribution/Diameter	mm	0.5 - 0.9mm	1.0 - 1.5mm
Residual moisture level at 575 deg cent (LOI)	Wt%	<1.5	<1.5
Water Adsorption Capacity (25 deg cent, 17.5mm Hg)	Wt%	>19	>19
Nitrogen absorption	mg/g	<1.0	<1.0
Bulk Density	g/l	0.75	0.75
Delta T	°C(25g/25ml H2O)	>25	>25
Activated Attrition	Wt%	<20	<20
Size ratio up to grade	%	>98	>98
Dew Point	°C	<-60	<-60
Dust Index	Ppm	<30	<30
Ignition loss	%(950°C)	<2	<2

QUALITY CONTROL PROCEDURE

So as to maintain a consistent high-performance specification, systematic batch analysis is conducted in a fully equipped QC laboratory throughout the production cycle. Following lab analysis, a sample of each batch is stored, together with its related test results, for a minimum period of two years. These strict control measures enables us to trace each batch of EUROSIV from the day of production to the day it becomes part of insulated glass systems.

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Types Of Analysis

Bead Distribution	To verify that the beads have the right size range
Loss Of Ignition[LOI]	To determine the residual moisture level
Water Capacity	To determine the amount of water vapour adsorbed under normal room Temperature of 25 deg centigrade and pressure of 17.5mm Hg
Bulk Density	To guarantee an efficient volumetric weight
Dust Level	To ensure that Eurosieve is meets specified dust levels
Delta T	To measure the exothermic reactivity of our beads during hydration
Attrition	To verify that our Beads overcome Avoidable friction during Handling and transport.

Product Characteristics

Physical/Chemical	Molecular sieve type A. Potassium form
Custom Declaration	Eurosieve is a crystalline alkali aluminosilicate
Custom Code	3824 9015 10 (hs code)

Packaging And Storage

Packaging	Eurosil: 25kg boxes with sealed moisture resistant sacks Eurosil: 150kg air tight fibre or steel drums
Storage	Store on dry surface, under normal temperature and humidity Do not expose to water or moisture Always close/seal sack after use Average shelf life (unopened) : Cartons one year * Drums - 2 years* <ul style="list-style-type: none"> When stored under suitable conditions as specified above

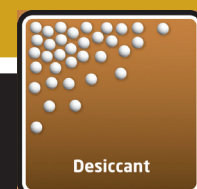
MATERIAL SAFETY DATA SHEET

Product Identification

Product	3A Molecular Sieve		
Chemical name	Potassium Alumino-silicate	Synonym	Synthetic Zeolite
Formula	K ₂ O Al ₂ O ₃ SiO ₂	Chemical Family	Molecular Sieve
		Molecular weight	Not applicable
Trade Name	Eurosil Molecular Sieve		

Composition

MATERIAL	WT(%)	1989 - 1990 ACGIH
Potassium Oxide	30	None Established
Aluminium Oxide	30	10mgm m3 as Al
Silicon Oxide	50	10mg/m3



Hazard Identification

Hazard warning not required

First Aid Measures

Eye Contact	Wash immediately with plenty of water for 20 minutes
Skin Contact	Wash with Soap and water
After inhalation	Remove the victim to fresh air and if required obtain medical attention
After ingestion	Obtain medical attention

Fire fighting Measures

Suitable extinguishing media	No restriction. Preferable carbon dioxide or foam.
Unsuitable extinguishing media	None
Special Exposure Hazards	On burning, release of toxic gases.
Instructions	Cool drum with water spray, remove safety.
Special protective equipment	None.

Accidental Release Measures

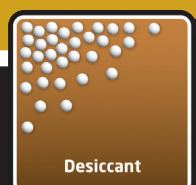
Personal protection	See below
Environmental protection	Collect product into suitable containers
Clean up	Take up with absorbent material eg sand, earth, scoop absorbed substance into closing container.

Finished units should be glazed according to recognised standards to give the longest life span. For the minimum requirements please read: Glass and Glazing Federation Data Sheet 4.2 - 'Systems Design and Glazing Considerations for Insulating Glass Units.'



COMPONENT SUPPLIER OF THE YEAR 2 YEARS RUNNING

These details are based on our current knowledge. Therefore, it is not intended to assure legally binding or to guarantee the nature of the products, the trade capability of the products and the suitability for a certain use. We reserve the right to make technical alterations.



Desiccant