



ZEOSORB™

Molecular Sieve

Grade 4A



Applications

Multi-purpose. Used for the dehydration and purification of various hydrocarbon and non-hydrocarbon gas and liquid streams. It is used for the separation of straight and branched chain hydrocarbons, sweetening and drying of natural gases and the production of high purity hydrogen.

Description

An alkali metal aluminosilicate, in the calcium form of the Type A crystal structure. Type 5A will adsorb molecules with critical diameters up to 5 Å angstroms. All molecules which can be adsorbed on Molecular Sieve types 3A and 4A can be adsorbed on Type 5A.

Regeneration

Molecular Sieves can be regenerated by placing in a shallow layer and heating to 200°C for two hours.

Typical Properties

PROPERTIES		SPHERICAL			CYLINDRICAL	
Items	Units					
Diameter	mmØ	1.6 - 2.5	3 - 5	5 - 8	1.6	3.2
Bulk Density	g/l	720	700	680	680	680
Static Water Absorption	RH=60% mg/g	215	215	215	215	215
Methanol Absorption	≥ mg/g	140	140	140	140	140
Crush Strength	≥ N	35	80	110	32	80
Package Moisture	≤ %wt	1.5	1.0	1.5	1.0	1.0
Wear Rate	≤ %wt	0.1	0.1	0.1	0.1	0.1

Packaging

Supplied in 25 kg Kraft paper bags. Optional hermetically sealed 150 kg steel drums and or 500 kg bulk bags. Custom packaging down to 20 lit pales is available on request.

All information presented in this publication are perceived to be accurate and reliable. All risks and liability obtained by use of this product are assumed by the user. No warranties are made regarding the data of the products above whether it be expressed or implied. The user should not assume that data and safety measures are indicated or that other procedures may not be required.

For more information please do not hesitate to contact us

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