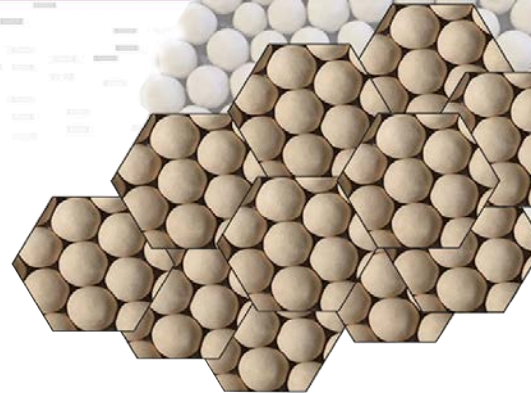


EthaDry

Molecular Sieve for Ethanol Dehydration



Description

EthaDry can be applied in PSA or VSA dehydration units and is used to remove water in ethanol streams. This molecular sieve has been specifically designed for Ethanol Dehydration Units and differs from standard molecular sieves. With a high crush strength to withstand the heat and pressure of the dehydration unit, the design of *EthaDry* beads maintain a low bulk density, while offering a high working capacity. *EthaDry, HYD03C*, has a superior selectivity between water and ethanol molecules, which increases both efficiency and dehydration capacity each cycle. Once ethanol has been dehydrated, it is about 99.99% pure and can then be applied in biofuels for direct blending and ETBE production, or for other uses such as in chemicals, food industry, pharmaceuticals, and more.

Specifications

Molecular Sieve		HYD03C		Beads	
Property	Unit	4x8 Mesh	4x8 *Avg		
Diameter	mm	2.5 - 5.0	-		
Bulk Density	g/mL (<i>lb/ft³</i>)	0.70-0.76 (<i>43.7-47.5</i>)	0.737 (46.06)		
Crush Strength	N (<i>lbm*ft/s²</i>)	≥90 (≥20)	115.2 (25.9)		
Static H ₂ O Adsorption	wt%	≥21.0	21.35		
Attrition	wt%	≤0.1	0.06		
Moisture Content	wt%	≤1.0	0.16		
Packaging	Beads	1,000 kg (<i>2,204.6lb</i>) / Super Sack	150kg (<i>330.7lb</i>) / Drum		

*Avg refers to a 12 month average of lot analyses

Industries Used

Ethanol Dehydration

Storage

As an adsorbent, molecular sieve should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

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