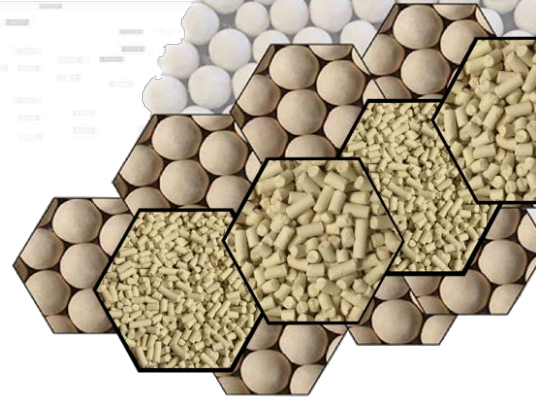


# HYD03B

## FOR ETHYLENE DEHYDRATION



### DESCRIPTION

*HYD03B* is specially manufactured for the deep dehydration of ethylene streams by selectively removing water. This dehydration process allows ethylene to be further processed into petrochemical intermediates or plastics such as polyethylene. This molecular sieve offers low levels of ethylene coadsorption while maintaining superior coking tolerance and attrition resistance.

- used for the deep dehydration of ethylene streams
- capable of removing water to meet specification
- allows ethylene to be used in other petrochemical processes
- offers low coadsorption while maintaining physical strength

### CHEMICAL FORMULA



### SPECIFICATIONS

Molecular Sieve					
HYD03B		Beads		Pellets	
Property	Unit	4x8 Mesh	8x12 Mesh	1/16 Inch	1/8 Inch
Diameter	mm	2.5 - 5.0	1.6 - 2.5	1.5 - 1.8	3.0 - 3.3
Bulk Density	g/mL (lb/ft <sup>3</sup> )	0.70-0.76 (43.7-47.5)	0.72-0.78 (44.9-48.7)	0.68-0.74 (42.5-46.2)	0.67-0.73 (41.8-45.6)
Crush Strength	N (lbm*ft/s <sup>2</sup> )	≥100 (≥22.4)	≥40 (≥9)	≥35 (≥7.9)	≥70 (≥15.7)
Static Water Adsorption	wt%	≥20.5	≥20.5	≥20.5	≥20.5
Attrition	wt%	≤0.1	≤0.1	≤0.4	≤0.4
Moisture Content	wt%	≤1.0	≤1.0	≤1.0	≤1.0
Packaging Options	Beads	150kg (330.7lb) / Drum			
	Pellets	125kg (275.6lb) / Drum			

### INDUSTRIES USED

ethylene 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. This product should not be exposed to temperatures exceeding 230°C (450°F).

## CONNECT WITH US...

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ISO 9001:2008



ISO 14001:2004