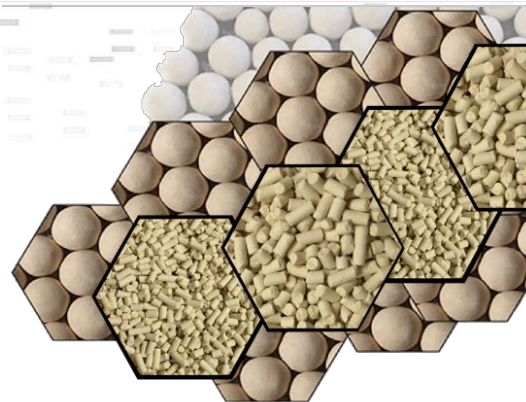


# HYD03C

## 3A MOLECULAR SIEVE



### DESCRIPTION

**HYD03C** is specially manufactured for the deep dehydration of olefin cracked gas streams and can selectively remove water. This dehydration process allows olefins to be further processed into petrochemical intermediates or plastics such as polypropylene. This molecular sieve offers low levels of olefin coadsorption while maintaining a superior coking tolerance and attrition resistance.

- used for the deep dehydration of olefin cracked gas
- 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		Beads		Pellets	
HYD03C	Unit	4x8 Mesh	8x12 Mesh	1/16 Inch	1/8 Inch
<b>Property</b>	<b>Unit</b>				
<b>Diameter</b>	mm	2.5 - 5.0	1.6 - 2.5	1.5 - 1.8	3.0 - 3.3
<b>Bulk Density</b>	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)
<b>Crush Strength</b>	N (lbm*ft/s <sup>2</sup> )	≥100 (≥22.4)	≥40 (≥9)	≥35 (≥7.9)	≥70 (≥15.7)
<b>Static Water Adsorption</b>	wt%	≥20.5	≥20.5	≥20.5	≥20.5
<b>Attrition</b>	wt%	≤0.1	≤0.1	≤0.4	≤0.4
<b>Moisture Content</b>	wt%	≤1.0	≤1.0	≤1.0	≤1.0
<b>Packaging Options</b>	Beads	150kg (330.7lb) / Drum			
	Pellets	125kg (275.6lb) / Drum			

### INDUSTRIES USED

bulk dehydration, refrigerant drying, dehydration of unsaturated hydrocarbons, desiccant dryers, static drying, power transformers breathers, water removal

### 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...

### Hengye Inc.

11999 Katy Frwy, Suite 588

Houston, Texas 77079

Office (832) 288-4288

Fax (832) 288-4230

info@hengyeinc.com



# HENGYE



ISO 9001:2008



ISO 14001:2004