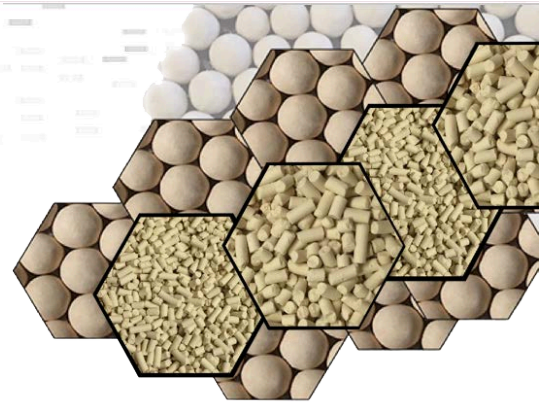


STANDARD 4A

MOLECULAR SIEVE

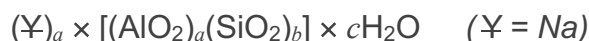


DESCRIPTION

Standard 4A molecular sieve is manufactured for the dehydration of hydrocarbon steams and can selectively remove water from both liquid phase and vapor phase streams. This dehydration process allows the hydrocarbon streams to be further processed in cryogenic separation and is more easily transported. This molecular sieve, with a high adsorption capacity, can bring benefits to a wide range of dehydration applications.

- used for the dehydration hydrocarbon streams
- capable of removing water to meet most specifications
- allows hydrocarbons to be further processed and transported
- offers an advantageous adsorption capacity

CHEMICAL FORMULA



SPECIFICATIONS

Molecular Sieve					
Standard 4A		Beads		Pellets	
Property	Unit	4x8 Mesh	8x12 Mesh	1/8 Inch	1/16 Inch
Diameter	mm	2.5 - 5.0	1.6 - 2.5	3.0 - 3.3	1.5 - 1.8
Bulk Density	g/mL (lb/ft ³)	0.70-0.76 (43.7-47.4)	0.75-0.81 (46.8-50.6)	0.65-0.71 (40.6-44.3)	0.66-0.72 (41.2-44.9)
Crush Strength	N (lbm*ft/s ²)	≥90 (≥20)	≥45 (≥10)	≥80 (≥18)	≥40 (≥9)
Static Water Adsorption	wt%	≥21.5	≥21.5	≥21.5	≥21.5
Attrition	wt%	≤0.1	≤0.1	≤0.4	≤0.4
Moisture Content	wt%	≤1.5	≤1.5	≤1.5	≤1.5
Packaging Options	Beads	1,000 kg (2,204.6lb) / Super Sack;		150kg (330.7lb) / Drum	
	Pellets	1,000 kg (2,204.6lb) / Super Sack;		125kg (275.6lb) / Drum	

INDUSTRIES USED

liquid phase dehydration siloxane removal vapor phase dehydration
 dehydration of unsaturated hydrocarbons

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.

CONNECT WITH US...

Hengye Inc.
 11999 Katy Frwy, Suite 588
 Houston, Texas 77079
Office (832) 288-4288
Fax (832) 288-4230
 info@hengyeinc.com

