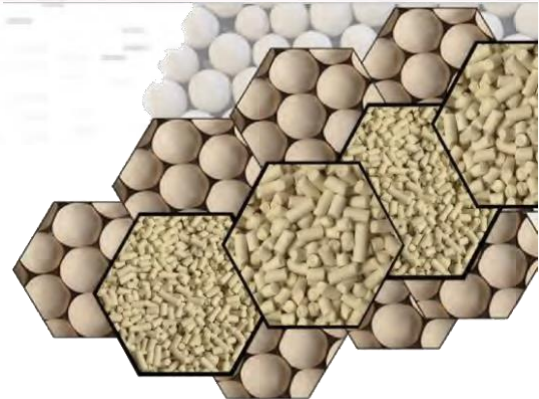


HYG04DG and HYG04C

4A MOLECULAR SIEVE

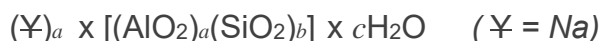


DESCRIPTION

HYG04DG molecular sieve is manufactured for the dehydration of hydrocarbon streams 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					
HYG04DG		Beads			
Property	Unit	4x8 Mesh	4x8 *Avg	8x12 Mesh	8x12 *Avg
Diameter	mm	2.5 - 5.0	-	1.6 - 2.5	-
Bulk Density	g/mL	0.70 - 0.76 (43.7 - 47.4)	0.73 (45.40)	0.75 - 0.81 (46.8 - 50.6)	0.78 (48.78)
Crush Strength	N (lbm*ft/s ²)	≥90 (≥20)	127.80 (28.73)	≥45 (≥10.1)	56.76 (12.76)
Static Water Adsorption	wt%	≥21.5	23.61	≥21.5	22.74
Attrition	wt%	≤0.1	0.06	≤0.1	0.07
Moisture Content	wt%	≤1.5	0.52	≤1.5	0.48
Packaging Options	Beads	1,000 kg (2,204.6lb) / Super Sack; 150kg (330.7lb) / Drum			

*Avg refers to a running average of lot analyses

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.

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