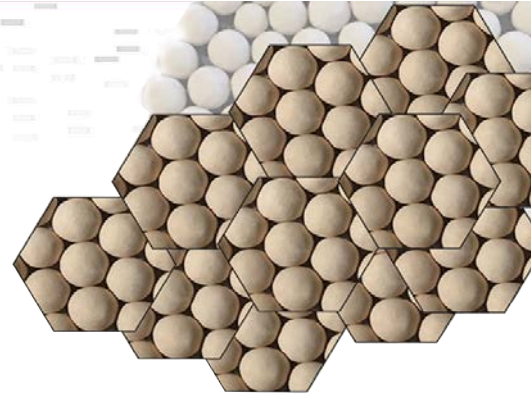


STANDARD 3A

MOLECULAR SIEVE



DESCRIPTION

Standard 3A molecular sieve is manufactured to dehydrate unsaturated hydrocarbon streams and selectively removes water from these streams. This dehydration process allows these hydrocarbon streams to be separated in cryogenic units or transported. This molecular sieve offers a quick mass transfer rate, high mechanical strength, and low attrition.

- used to dehydrate unsaturated hydrocarbon streams
- capable of removing water to meet most specifications
- allows hydrocarbon streams to be further processed
- offers favorable mass transfer properties while maintaining physical strength

CHEMICAL FORMULA



SPECIFICATIONS

Molecular Sieve					
Standard 3A		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 (lb/ft ³)	0.70-0.76 (43.7-47.4)	0.72 (45.19)	0.72-0.76 (44.9-48.7)	0.75 (46.73)
Crush Strength	N (lbm*ft/s ²)	≥90 (≥20)	113.6 (25.54)	≥30 (≥6.7)	40.4 (9.08)
Static Water Adsorption	wt%	≥21.0	21.49	≥21.0	21.47
Attrition	wt%	≤0.1	0.07	≤0.1	0.07
Moisture Content	wt%	≤1.0	0.17	≤1.0	0.21
Packaging Options	1,000kg (2,204.6lb) / Super Sack; 150kg (330.7lb) / Drum				

*Avg refers to a running average of lot analyses

INDUSTRIES USED

bulk dehydration	desiccant air dryers	power transformer breathers
refrigerant drying	static drying	water removal
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. This product should not be exposed to temperatures exceeding 230°C (450°F).

CONNECT WITH US...

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