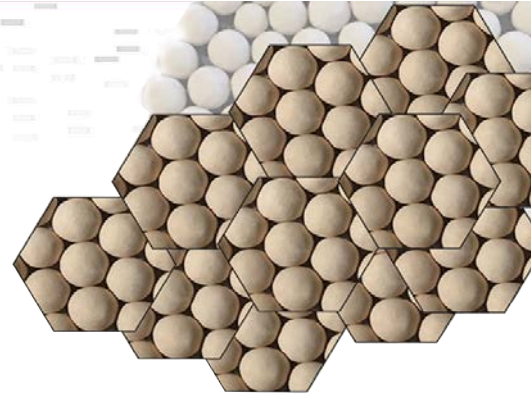


STANDARD 13X

MOLECULAR SIEVE

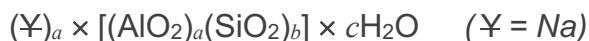


DESCRIPTION

Standard 13X is manufactured to deeply dehydrate feed gas prior to cryogenic separation by removing water, carbon dioxide, and hydrocarbons from feed gas. The removal of these contaminants will allow the feed gas to be further separated into the desired product stream. This molecular sieve has a wide selectivity for removing impurities that can freeze or block cryogenic separation processes.

- used to deeply dehydrate feed gas
- capable of removing water, carbon dioxide, and hydrocarbons
- allows gas to be further separated or otherwise used in compressors
- offers an advantageous adsorption capacity for a wide range of impurities

CHEMICAL FORMULA



SPECIFICATIONS

Molecular Sieve		Beads			
Standard 13X		4x8 Mesh	4x8 *Avg	8x12 Mesh	8x12 *Avg
Property	Unit				
Diameter	mm	2.36 - 4.76	-	1.68 - 2.36	-
Bulk Density	g/mL (lb/ft ³)	0.65-0.71 (40.6-44.3)	0.659 (41.1)	0.66-0.72 (41.2-44.9)	0.686 (42.84)
Crush Strength	N (lbm*ft/s ²)	≥80 (≥18)	90.6 (20.36)	≥30 (≥6.7)	33.5 (7.52)
Static Water Adsorption	wt%	≥26.0	27.80	≥26.0	28.46
Static CO ₂ Adsorption	wt%	≥17.5	-	≥17.5	-
Attrition	wt%	≤0.1	0.07	≤0.1	0.07
Moisture Content	wt%	≤1.5	0.40	≤1.5	0.51
Packaging Options	1,000kg (2,204.6lb) / Super Sack; 140kg (308.6lb) / Drum				

*Avg refers to a running average of lot analyses

INDUSTRIES USED

air separation
inert gas purification

compressed air
siloxane removal

feed gas 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.

CONNECT WITH US...

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