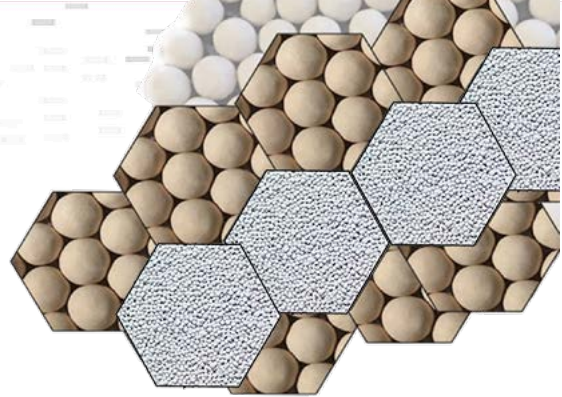


HYD10D

13X MOLECULAR SIEVE

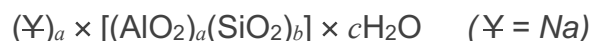


DESCRIPTION

HYD10D is specially manufactured for air prepurification units to selectively remove water from feed gas. This dehydration process creates a deeply dehydrated air stream that is suitable for use in cryogenic air separation processes. This molecular sieve offers high adsorption capacity, ideal adsorption kinetics, and comes in a variety of bead sizes to help optimize mass transfer characteristics and optimize operations.

- used to deeply dehydrate air feed streams
- capable of dehydrating air streams to cryogenic separation specification
- allows air to be used in compressors and pneumatic equipment
- offers optimized adsorption kinetics

CHEMICAL FORMULA



SPECIFICATIONS

Molecular Sieve						
HYD10D		Beads				
Property	Unit	4x8 Mesh	6x8 Mesh	8x12 Mesh	10x20 Mesh	20x40 Mesh
Diameter	mm	2.36 - 4.76	2.36 - 3.35	1.68 - 2.36	0.84 - 2.00	0.5 - 1.0
Average Diameter	mm	3.8 - 4.1	2.9 - 3.1	1.9 - 2.1	-	-
Bulk Density	g/mL (lb/ft ³)	0.64-0.70 (39.9-43.7)	0.65-0.71 (40.5 - 44.3)	0.65-0.71 (40.5-44.3)	0.64-0.70 (39.9-43.7)	0.63-0.69 (39.3-43.1)
Crush Strength	N (lbm*ft/s ²)	≥60 (≥13.4)	≥45 (≥10.1)	≥25 (≥5.6)	≥12 (≥2.7)	-
Static Water Adsorption	wt%	≥28.0	≥28.0	≥28.0	≥28.0	≥28.0
Static CO ₂ Adsorption	wt%	≥19.0	≥19.0	≥19.0	≥19.0	≥19.0
Attrition	wt%	≤0.1	≤0.1	≤0.1	≤0.1	≤0.2
Moisture Content	wt%	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Packaging Options	1,000kg (2,204.6lb) / Super Sack; 140kg (308.6lb) / Drum					

INDUSTRIES USED

air separation - cryogenic air prepurification

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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