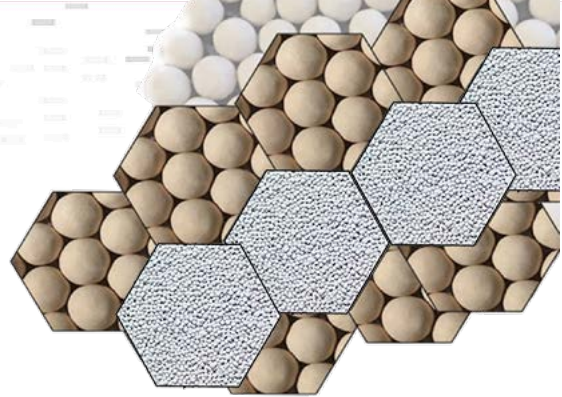


HYD10D

FOR CRYOGENIC AIR SEPARATION

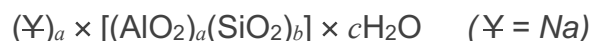


DESCRIPTION

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 prepurification

cryogenic air separation

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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