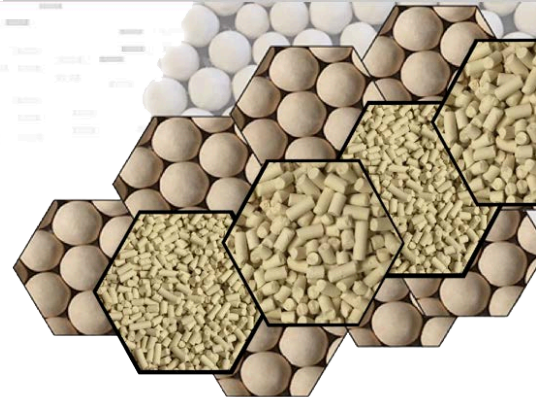


# HYD10A

## 13X MOLECULAR SIEVE

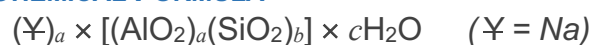


### DESCRIPTION

HYD10A is specially manufactured for cryogenic air separation and selectively removes water from feed gas. This dehydration process allows air streams to be further processed in cryogenic air separation without the presence of water, which would freeze and cause blockage. This molecular sieve offers a high adsorption capacity and physical strength.

- used to remove water from air feed streams
- capable of dehydrating feed streams to cryogenic separation requirements
- allows air to be used in compressors and pneumatic equipment
- offers a high capacity for water

### CHEMICAL FORMULA



### SPECIFICATIONS

Molecular Sieve					
HYD10A		Beads		Pellets	
Property	Unit	4x8 Mesh	8x12 Mesh	1/16 Inch	1/8 Inch
Diameter	mm	2.36 - 4.76	1.68 - 2.36	1.5 - 1.8	3.0 - 3.3
Bulk Density	g/mL <i>(lb/ft<sup>3</sup>)</i>	0.65-0.71 <i>(40.6-44.3)</i>	0.66-0.72 <i>(41.2-44.9)</i>	0.61-0.67 <i>(38.1-41.8)</i>	0.60-0.66 <i>(37.4-41.2)</i>
Crush Strength	N <i>(lbm*ft/s<sup>2</sup>)</i>	≥80 <i>(≥18)</i>	≥30 <i>(≥6.7)</i>	≥30 <i>(≥6.7)</i>	≥70 <i>(≥15.7)</i>
Static Water Adsorption	wt%	≥26.0	≥26.0	≥25.0	≥25.0
Static CO <sub>2</sub> Adsorption	wt%	≥17.5	≥17.5	≥16.5	≥16.5
Attrition	wt%	≤0.1	≤0.1	≤0.4	≤0.4
Moisture Content	wt%	≤1.5	≤1.5	≤1.5	≤1.5
Packaging Options	Beads	1,000kg (2,204.6lb) / Super Sack;		140kg (308.6lb) / Drum	
	Pellets	1,000kg (2,204.6lb) / Super Sack;		125kg (275.6lb) / Drum	

### INDUSTRIES USED

air separation - cryogenic air prepurification - 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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