

HYD10E Pellets

MOLECULAR SIEVE

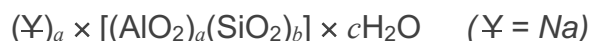


DESCRIPTION

HYD10E Pellets is manufactured to deeply dehydrate feed gas prior to cryogenic separation by removing water, carbon dioxide, and other impurities 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 an ideal selectivity for removing impurities that can freeze or block cryogenic separation processes.

- used to deeply dehydrate feed gas
- capable of removing water, carbon dioxide, hydrocarbons, and other contaminants
- 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 | | Pellets | |
|---|--|---------------------------------|---------------------------------|
| | HYD10E | 1/16 Inch | 1/8 Inch |
| Property | Unit | | |
| Diameter | mm | 1.5 - 1.8 | 3.0 - 3.3 |
| Bulk Density | g/mL <i>(lb/ft³)</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/s²)</i> | ≥30 <i>(≥6.7)</i> | ≥70 <i>(≥15.7)</i> |
| Static Water Adsorption | wt% | ≥25.0 | ≥25.0 |
| Static CO₂ Adsorption | wt% | ≥16.5 | ≥16.5 |
| Attrition | wt% | ≤0.4 | ≤0.4 |
| Moisture Content | wt% | ≤1.5 | ≤1.5 |
| Packaging Options | 1,000kg <i>(2,204.6lb)</i> / Super Sack; 125kg <i>(275.6lb)</i> / Drum | | |

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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