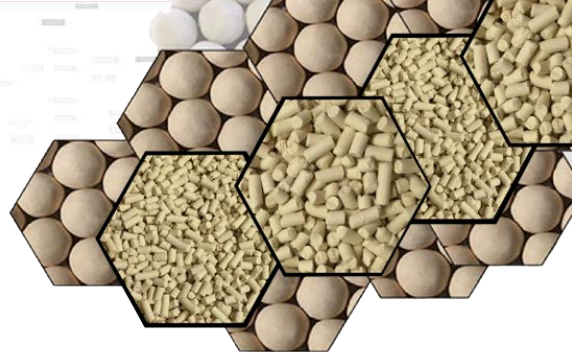


# HYD10B

## 13X MOLECULAR SIEVE

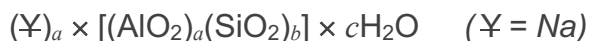


### DESCRIPTION

**HYD10B** is specially manufactured to remove chlorides from feed streams. This chloride adsorbent is ideal for removing traces of hydrogen chloride and offers a high dynamic capacity for HCl removal in commercial applications. This product offers a high equilibrium capacity and a high rate of chloride removal.

- used to remove chlorides such as HCl and other contaminants
- does not produce green oil or support the formation of organic chlorides
- prevents harmful chlorides from corroding and damaging equipment
- offers a high capacity and rate for HCl scavenging

### CHEMICAL FORMULA



### SPECIFICATIONS

| Molecular Sieve                   |                               |                                  |                          |                          |                          |
|-----------------------------------|-------------------------------|----------------------------------|--------------------------|--------------------------|--------------------------|
| HYD10B                            |                               | Beads                            |                          | Pellets                  |                          |
| Property                          | Unit                          | 8x12 Mesh                        | 4x8 Mesh                 | 1/16 Inch                | 1/8 Inch                 |
| Diameter                          | mm                            | 1.68 - 2.36                      | 2.36 - 4.76              | 1.5 - 1.8                | 3.0 - 3.3                |
| Bulk Density                      | g/mL<br>(lb/ft <sup>3</sup> ) | 0.65-0.71<br>(40.6-44.3)         | 0.64-0.70<br>(39.9-43.7) | 0.60-0.66<br>(37.4-41.2) | 0.59-0.65<br>(36.8-40.6) |
| Crush Strength                    | N<br>(lbm*ft/s <sup>2</sup> ) | ≥25 (≥5.6)                       | ≥70 (≥15.7)              | ≥25 (≥5.6)               | ≥60 (≥13.5)              |
| Static Water Adsorption           | wt%                           | ≥26.5                            | ≥26.5                    | ≥26.5                    | ≥26.5                    |
| Static CO <sub>2</sub> Adsorption | wt%                           | ≥18.0                            | ≥18.0                    | ≥18.0                    | ≥18.0                    |
| Attrition                         | wt%                           | ≤0.1                             | ≤0.1                     | ≤0.1                     | ≤0.1                     |
| 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   |                          |

### INDUSTRIESUSED

chloride removal - inert gas - cryogenic pressure swing application - natural gas - large scale PSA - petroleum refining

### STORAGE

This product should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

### CONNECT WITH US...

**Hengye Inc.**  
 11999 Katy Frwy, Suite 588  
 Houston, Texas 77079  
**Office** (832) 288-4288  
**Fax** (832) 288-4230  
 info@hengyeinc.com

