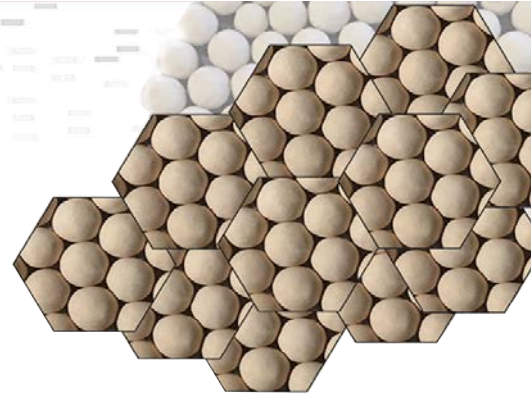


HYD03A

MOLECULAR SIEVE



DESCRIPTION

HYD03A molecular sieve is manufactured to dehydrate unsaturated hydrocarbon streams and selectively removes water from these streams. This dehydration process allows these hydrocarbon streams to be separated in cryogenic units or transported. This molecular sieve offers a quick mass transfer rate, high mechanical strength, and low attrition.

- used to dehydrate unsaturated hydrocarbon streams
- capable of removing water to meet most specifications
- allows hydrocarbon streams to be further processed
- offers favorable mass transfer properties while maintaining physical strength

CHEMICAL FORMULA



SPECIFICATIONS

| Molecular Sieve | | | | | | | |
|-------------------------|-------------------------------|--|------------------|--------------------------|-----------------|--------------------------|--------------------------|
| HYD03A Products | | Beads | | | | Pellets | |
| Property | Unit | 4x8 Mesh | 4x8 *Avg | 8x12 Mesh | 8x12 *Avg | 1/16 Inch | 1/8 Inch |
| Diameter | mm | 2.5 - 5.0 | - | 1.6 - 2.5 | - | 1.5 - 1.8 | 3.0 - 3.3 |
| Bulk Density | g/mL (lb/ft ³) | 0.70-0.76 (43.7-47.4) | 0.72 (45.19) | 0.72-0.76 (44.9-48.7) | 0.75 (46.73) | 0.68-0.74 (42.5-46.2) | 0.67-0.73 (41.8-45.6) |
| Crush Strength | N (lbm*ft/s ²) | ≥90 (≥20) | 113.6 (25.54) | ≥30 (≥6.7) | 40.4 (9.08) | ≥35 (≥7.9) | ≥70 (≥15.7) |
| Static Water Adsorption | wt% | ≥21.0 | 21.49 | ≥21.0 | 21.47 | ≥20.5 | ≥20.5 |
| Attrition | wt% | ≤0.1 | 0.07 | ≤0.1 | 0.07 | ≤0.4 | ≤0.4 |
| Moisture Content | wt% | ≤1.0 | | ≤1.0 | 0.21 | ≤1.0 | ≤1.0 |
| Packaging Options | | 1,000kg (2,204.6lb) / Super Sack; 150kg (330.7lb) / Drum | | | | | |

*Avg refers to a running average of lot analyses

INDUSTRIES USED

bulk dehydration
refrigerant drying
dehydration of unsaturated hydrocarbons

desiccant air dryers
static drying

power transformer breathers
water removal

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. This product should not be exposed to temperatures exceeding 230°C (450°F).

CONNECT WITH US...

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ISO 9001:2008



ISO 14001:2004