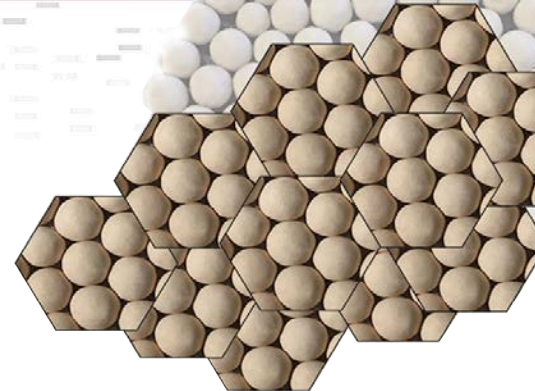


HYD03A

Molecular Sieve for Insulating Glass



Description

HYD03A is used to constantly adsorb moisture and maintain the dew point from the interspaces of two panes of insulating glass; this minimizes the pressure differences between the two panes, which would eventually cause distortion or breakage. Using this product can dramatically extend the lifespan of an insulating glass unit and offers superior quality with low dusting, low attrition, and low gas desorption, resulting in increased reliability and performance of the glass.

Specifications

| Molecular Sieve | | Beads | | | | | | |
|------------------------------------|-------------------------------|------------------|------------------------|------------------|--------------------------------------|------------------|------------------|------------------|
| HYD03A | | 20x35 Mesh | 18x35 Mesh | 16x25 Mesh | 12x18 Mesh | 10x16 Mesh | 10x14 Mesh | 7x12 Mesh |
| Property | Unit | | | | | | | |
| Diameter | mm | 0.5-0.8 | 0.5-1.0 | 0.8-1.2 | 1.0-1.5 | 1.2-1.8 | 1.5-2.0 | 1.6-2.5 |
| Bulk Density | g/mL (lb/ft ³) | ≥0.75 (≥46.8) | ≥0.75 (≥46.8) | ≥0.75 (≥46.8) | ≥0.75 (≥46.8) | ≥0.75 (≥46.8) | ≥0.74 (≥46.2) | ≥0.74 (≥46.2) |
| Crush Strength | N (lbm*ft/s ²) | - | - | - | ≥10 (≥2.2) | ≥12 (≥2.7) | ≥18 (≥4.0) | ≥35 (≥7.9) |
| Static H ₂ O Adsorption | wt% | ≥20.0 | ≥20.0 | ≥20.0 | ≥20.0 | ≥20.0 | ≥20.0 | ≥20.0 |
| Delta T* | °C (°F) | ≥35 (95) | ≥35 (95) | ≥35 (95) | ≥35 (95) | ≥35 (95) | ≥35 (95) | ≥35 (95) |
| Dust | mg/m ³ | ≤20 | ≤20 | ≤20 | ≤20 | ≤20 | ≤20 | ≤20 |
| | (NTU) | ≤20 | ≤20 | ≤20 | ≤20 | ≤20 | ≤20 | ≤20 |
| Moisture Content | wt% | ≤1.0 | ≤1.0 | ≤1.0 | ≤1.0 | ≤1.0 | ≤1.0 | ≤1.0 |
| Packaging | Super Sack options available | | 150kg (330.7lb) / Drum | | 25kg (55.1lb) / carton with foil bag | | | |

*20 mL molecular sieve + 20 mL water

Industries Used

insulating glass

paint, coatings

adhesives, glues

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.

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