

# HYD03A: MATRIX 3A PRODUCTS

## 3A MOLECULAR SIEVE

### DESCRIPTION

HYD03A is manufactured for water and moisture control applications by selectively removing water from the surrounding environment. The addition of 3A to polymer mixtures will create an adsorbent matrix that prevents the formation of bubbles and increases the lifespan of adhesives, paints, polymers, sealants, and more. This molecular sieve offers a high adsorption capacity in both static and dynamic adsorption processes.

- used to increase the integrity of polymer mixtures
- capable of removing water and preventing the formation of gas and bubbles
- allows polymer mixtures to offer a longer lifespan
- offers low dust and attrition properties as well as low gas desorption

### CHEMICAL FORMULA



### SPECIFICATIONS

HYD03A Products		Molecular Sieve						
Property	Unit	Beads						
		20x35 Mesh	18x35 Mesh	16x25 Mesh	12x18 Mesh	10x16 Mesh	10x14 Mesh	7x12 Mesh
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 <sup>3</sup> )	≥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)
Static Water Adsorption	wt%	≥20.0	≥20.0	≥20.0	≥20.0	≥20.0	≥20.0	≥20.0
Moisture Content	wt%	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
3A IG Size Options	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						
Packaging Options	Super Sack options; 150kg (330.7lb) / Drum; 25kg (55.1lb) / carton with foil bag							

### INDUSTRIES USED

coatings	glue	paint
plastic	polymer mixtures	refrigerants
sealants	insulated glass	

### STORAGE AND HANDLING

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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