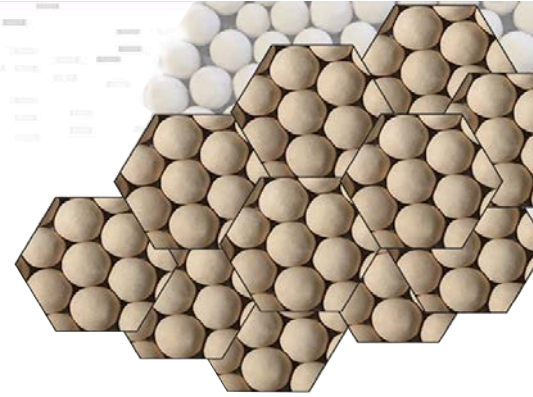


# STANDARD 5A

## MOLECULAR SIEVE



### DESCRIPTION

*Standard 5A* molecular sieve is manufactured for use in air prepurification units to remove water, carbon dioxide, and hydrocarbons from feed gas. The removal of these contaminants is essential for compressed air systems and for purifying gas streams. This molecular sieve offers a high adsorption capacity for impurities, especially water.

- used to purify air feed gas
- capable of removing water, carbon dioxide, and light hydrocarbons
- allows gas to be further separated or otherwise used in compressors
- offers an advantageous adsorption capacity for water

### CHEMICAL FORMULA



### SPECIFICATIONS

Molecular Sieve		Beads			
Standard 5A		4x8 Mesh	4x8 *Avg	8x12 Mesh	8x12 *Avg
Property	Unit				
Diameter	mm	2.5 - 5.0	-	1.6 - 2.5	-
Bulk Density	g/mL (lb/ft <sup>3</sup> )	0.69-0.75 (43.1-46.8)	0.72 (44.78)	0.72-0.78 (44.9-48.7)	0.73 (45.65)
Crush Strength	N (lbm*ft/s <sup>2</sup> )	≥70 (≥15.7)	127.1 (28.58)	≥25 (≥5.6)	41.8 (9.4)
Static Water Adsorption	wt%	≥21.5	22.13	≥21.5	21.62
Static CO <sub>2</sub> Adsorption	wt%	≥15.0	-	≥15.0	-
Attrition	wt%	≤0.1	0.08	≤0.1	0.08
Moisture Content	wt%	≤1.5	0.39	≤1.5	0.50
Packaging Options	1,000kg (2,204.6lb) / Super Sack; 150kg (330.7lb) / Drum				

\*Avg refers to a running average of lot analyses

### INDUSTRIES USED

air separation  
inert gas purification

compressed air

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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