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

$(¥)_a \times [(AlO_2)_a(SiO_2)_b] \times cH_2O$ *(¥ = Na, Ca)*

SPECIFICATIONS

Molecular Sieve			
Standard 5A		**Pellets**	
Property	**Unit**	**1/16 Inch**	**1/8 Inch**
Diameter	mm	1.5 - 1.8	3.0 - 3.3
Bulk Density	g/mL *(lb/ft³)*	0.69-0.75 *(43.1-46.8)*	0.68-0.74 *(42.4-46.2)*
Crush Strength	N *(lbm*ft/s²)*	≥30 *(≥6.7)*	≥60 *(≥13.5)*
Static Water Adsorption	wt%	≥21.0	≥21.0
Static CO_2 Adsorption	wt%	≥15.0	≥15.0
Attrition	wt%	≤0.4	≤0.4
Moisture Content	wt%	≤1.5	≤1.5
Packaging Options	1,000kg *(2,204.6lb)* / Super Sack; 125kg *(275.6lb)* / Drum		

INDUSTRIES USED

air separation
compressed air
feed gas dehydration
inert gas purification

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…

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

HENGYE®

ISO 9001:2008 ISO 14001:2004

© 2018 Hengye Inc. All Rights Reserved Worldwide