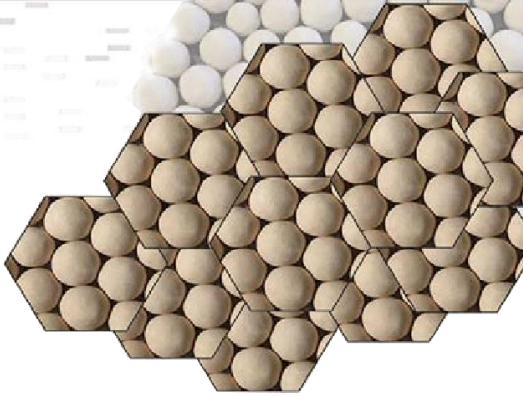
HYG04C

MOLECULAR SIEVE



DESCRIPTION

HYG04C can be applied to dehydrate both liquid and gas streams, and is commonly used to remove water from air, oxygen, carbon dioxide, natural gas, coal gas, and hydrogen streams. This molecular sieve can also be applied to dehydrate refrigerants and solvents, as an adsorbent for polyurethane, or to purify argon gas.

CHEMICAL FORMULA

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

SPECIFICATIONS

Molecular Sieve					
HYG04C		**Beads**			
Property	**Unit**	**4x8 Mesh**	***4x8 *Avg***	**8x12 Mesh**	***8x12 *Avg***
Diameter	mm	2.5 - 5.0	-	1.6 - 2.5	-
Bulk Density	g/mL *(lb/ft^3)*	0.70-0.76 *(43.7-47.4)*	*0.73 (45.35)*	0.75-0.81 *(46.8-50.6)*	*0.78 (48.7)*
Crush Strength	N *(lbm*ft/s^2)*	≥80 *(≥18)*	*122.3 (27.47)*	≥40 *(≥9)*	*56.5 (12.65)*
Static H_2O Adsorption	wt%	≥21.5	*23.36*	≥21.5	*22.63*
Attrition	wt%	≤0.1	*0.07*	≤0.1	*0.07*
Moisture Content	wt%	≤1.5	*0.54*	≤1.5	*0.63*
Packaging	Beads	1,000kg *(2,204.6lb)* / Super Sack		150kg *(330.7lb)* / Drum	

**Avg* *refers to a 12 month average of lot analyses*

INDUSTRIES USED

oil refining biofuel production solvent drying
gas and liquid dehydration: air, ammonia, argon, carbon dioxide, coal gas, hydrogen, natural gas, oxygen, petroleum gas, and refrigerants
dehydration of unsaturated hydrocarbons: cracked gas, acetylene, ethylene, propylene, butadiene
polar liquid drying (ethanol, methanol)

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…

Texas Technologies, Inc.
3600 W. Whitestone Blvd.
Cedar Park, Texas 78613
Office 512.267.0100
Fax 512.267.4242
E-Mail: info@texastechnologies.com
www.texastechnologies.com