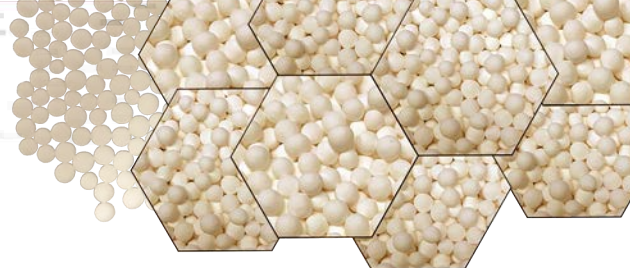


HY-W

FOR NATURAL GAS DEHYDRATION



DESCRIPTION

HY-W is manufactured for use in controlling the dew point of hydrocarbons by reducing the presence of water. This product is resistant to cracking or popping in the presence of water and is used in combination with HY-H or molecular sieve when water saturation is high. This silica product offers a high adsorption capacity and acts as a protective layer for other adsorbents.

- used to dehydrate saturated hydrocarbon streams
- allows hydrocarbons to be separated based on their unique dew points
- chemically stable, flame resistant, insoluble in most solvents except strong alkalis and HF
- typically applied as a protective layer (10-20% by weight) to protect HY-H or molecular sieve

SPECIFICATIONS

Silica Alumina		
HY-W		Beads
Property	Unit	6x10 Mesh
Particle Size	mm	2.0 - 3.0
SiO ₂	%	≥85
Al ₂ O ₃	%	≤15
Surface Area	m ² /g	≥550
Adsorption Capacity RH=10% 25°C (77°F)	wt%	≥3.5
RH=20% 25°C (77°F)	wt%	≥6.0
RH=60% 25°C (77°F)	wt%	≥22.0
RH=80% 25°C (77°F)	wt%	≥32.0
Bulk Density	g/L (lb/ft ³)	≥700 (≥43.7)
Crush Strength	N (lbm*ft/s ²)	≥60 (≥13.5)
Average Pore Diameter	nm	≥2.5
Attrition Loss	wt%	≤0.05
Pore Volume	cm ³ /g	0.35 - 0.45
Moisture Content	wt%	≤3.0
Packaging	500kg (1,102.3lb) / Super Sack; 150kg (330.7lb) / Drum; 25kg (55.1lb) / Bag	

INDUSTRIES USED

dehydration	hydrocarbon dew point control	light hydrocarbon separation
liquefied natural gas drying	natural gas conditioning	peak shaving and liquefaction

STORAGE

This product 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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HENGYE



ISO 9001:2008



ISO 14001:2004