



Shanghai PingYiao Trading CO., Ltd.

Sorbead™_H

High-performance silica gel adsorbent

BASF Sorbead™_H is a high-performance, extremely robust silica gel adsorbent primarily used for control of hydrocarbon dew point in compressed natural gas.

The BASF Sorbead line of highly efficient adsorbents is an alumino-silicate gel formed into hard, spherical beads – having a high resistance to crushing and a low attrition rate. Sorbead adsorbents have a longer life than most other adsorbents and can reduce operating costs in most applications.

BASF Sorbead H is used for controlling dew point and recovery of heavy hydrocarbons from natural gas. Simultaneously, Sorbead H dehumidifies the natural gas. Sorbead H is protected from liquid condensation by approx. 20% of Sorbead WS.

Typical distribution of grain size

2.0 – 5.0 mm

1.0 – 2.3 mm

Packaging

Big bags 1,653 lbs.

Steel drums 330 lbs.

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Address: Xuhui District, Shanghai Caoxi Yin Hai Building, A1207 Room, No. 250

Telephone helpline: 15900706965

Website: www.pingyiao.com

Tel: 86-21-64705533

Fax: 86-21-64705533-209

E-mail: info@pingyiao.com

Typical properties

Chemical Composition	SiO ₂	97 wt. %
	Al ₂ O ₃	3wt. %
Surface Area (BET)	750 m ² /g	
Pore Volume	0.5 cm ³ /g	
Equilibrium Capacity for Water Vapor at 25° C	10 % R.H.	6 wt. %
	80 % R.H.	45 wt. %
Packed Bulk Density	44 lb/ft ³	
Crushing Strength	> 200 N	
Attrition Rate	< 0.05 wt. %	
Liquid Water Resistant	No	

About BASF

As the world's leading chemical company, BASF's portfolio ranges from chemicals, plastics, performance products, agricultural products and fine chemicals to crude oil and natural gas. BASF's intelligent system solutions and high-value products help its customers to be more successful.

BASF develops new technologies and uses them to open up additional market opportunities. It combines economic success with environmental protection and social responsibility, thus contributing to a better future.

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