



## 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.

#### Typical Properties

<b>Chemical Composition</b>	SiO <sub>2</sub>	97 wt. %
	Al <sub>2</sub> O <sub>3</sub>	3 wt. %
<b>Surface Area (BET)</b>	750 m <sup>2</sup> /g	

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<b>Pore Volume</b>	0.5 cm <sup>3</sup> /g	
<b>Equilibrium Capacity for Water Vapor at 25° C</b>	10 % R.H. 80 % R.H.	6 wt. % 45 wt. %
<b>Packed Bulk Density</b>	44 lb/ft <sup>3</sup>	
<b>Crushing Strength</b>	>200 N	
<b>Attrition Rate</b>	<0.05 wt. %	
<b>Liquid Water Resistant</b>	No	

### About us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF Catalysts develop unique, proprietary catalyst and adsorbent solutions that drive customer success.

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