



Shanghai PingYiao Trading CO., Ltd.

Sorbead HD

Water resistant, durable desiccant, also known as KC-Trockenperlen HD

BASF Sorbead[®] HD is a water-resistant, very durable desiccant for compressed air heatless dryers.

The patented BASF Sorbead line of highly efficient adsorbents are alumino-silicate gels in the form of hard, spherical beads, with a very 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.

Sorbead HD is a 100% water-resistant adsorbent with simultaneous high mechanical strength. Therefore, Sorbead HD is very well suited for the operation of pressure swing adsorption units with short cycles for pressurization and depressurization.

Typical distribution of grain size

2.0 – 4.0 mm

Packaging

Big bag 1,653 lbs

Steel drums 55 lbs, 110 lbs, 330 lbs

Typical Properties

Chemical Composition	SiO ₂	95 wt. %
	Al ₂ O ₃	5 wt. %
Surface Area (BET)	300 m ² /g	
Pore Volume	0.3 cm ³ /g	
Equilibrium Capacity for Water Vapor at 25° C	10 % R.H.	2 wt. %
	80 % R.H.	30 wt. %

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Packed Bulk Density	44 lb/ft ³	
Crushing Strength	80 N	
Attrition Rate	0.05 wt. %	
Liquid Water Resistant	Yes	

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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