

Sorbead[®] WS

Water-resistant adsorbent

BASF Sorbead[®] WS water-resistant silica gel adsorbents have high capacity and protect other adsorbents and catalysts from water in natural gas and CO₂ processing applications.

The BASF Sorbead[®] line of highly efficient adsorbents are aluminosilicate 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[®] WS is a 100% water resistant adsorbent with a high adsorption capacity. It is most frequently used as a protective layer in combination with Sorbead[®] R, Sorbead[®] H, and other adsorbents such as molecular sieves, activated alumina, activated carbons and catalysts to increase the reliability of the system. The high capacity of Sorbead[®] WS enables it to be used on a stand-alone basis as well.

Target Properties

Surface Area (BET)	650 m ² /g
Pore Volume	0.45 cm ³ /g
Equilibrium Capacity for Water Vapor at 25° C	10 % R.H. 4 wt. % 80 % R.H. 35 wt. %
Packed Bulk Density	0.65 kg/l
Crush Strength	100 N/bead
Liquid Water Resistant	Yes

* These indicative properties do not represent process capabilities nor specifications.

Typical distribution of grain size

2.0 – 5.0 mm

Packaging

- 750 kg Big bag
- 130 kg Steel drum

About Us

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts and adsorbents, refinery catalysts and custom catalysts. In the process catalysts business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

The division's portfolio also includes battery materials and recycling solutions, as well as environmental catalysts and metal solutions. Customers from a variety of industries including Automotive & Transportation, Chemicals, Plastics or Energy & Resources benefit from our innovative solutions. Further information on BASF's Catalysts division is available on the Internet at catalysts.basf.com.

BASF - We create chemistry

Sorbead adsorbents are also known by the trade name KC-Trockenperlen®.

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