

Sorbead® WS

Water-resistant adsorbent

BASF Sorbead® WS water-resistant silica gel adsorbents have high capacity and protect other adsorbents and catalysts from water and moisture in natural gas 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'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, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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

Americas

BASF Corporation
25 Middlesex/Essex Turnpike
Iselin, New Jersey, 08830, USA
Tel : +1-732-205-5000
Fax: +1-732-205-7725
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
300 Jiang Xin Sha Road,
Pudong, Shanghai 200137
P.R. China
Tel: +86-21-2039 2549
Fax: +86-21-2039 4800-2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF De Meern BV Catalysts
The Netherlands
Tel: +31-30-666 9437
Email: catalysts-europe@basf.com

Sorbead and KC-Trockenperlen are trademarks of BASF

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2015 BASF