



Shanghai PingYiao Trading CO., Ltd.

Sorbead WS+

Water-resistant adsorbent, also known as KC-Trockenperlen WS+

BASF Sorbead[®] WS+ water-resistant silica gel adsorbents have high capacity and protect other adsorbents and catalysts from water and moisture in a broad range of applications.

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 WS and WS+ are the only 100% water-resistant adsorbents with a high adsorption capacity. Sorbead WS+ is especially developed for operations requiring special product features like low corrosion risk or high crush strength and is most frequently used as a 20% protective layer against condensed water in combination with Sorbead H or Sorbead R+.

Typical distribution of grain size

2.0 – 5.0 mm

Packaging

Big bag 1,653 lbs

Steel drums 287 lbs

Typical Properties

| | | |
|-------------------------------------------|--------------------------------|----------|
| Chemical Composition | SiO ₂ | 97 wt. % |
| | Al ₂ O ₃ | 3wt. % |
| Surface Area (BET) | 650 m ² /g | |
| Pore Volume | 0.45 cm ³ /g | |
| Equilibrium Capacity for | 10 % R.H. | 4 wt. % |
| | 80 % R.H. | 42 wt. % |

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| | | |
|-------------------------------|-----------------------|--|
| Water Vapor at 25° C | | |
| Packed Bulk Density | 44 lb/ft ³ | |
| Crushing Strength | 150 N | |
| Attrition Rate | 0.03 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 customers success.

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