



Shanghai PingYiao Trading CO., Ltd.

Sorbead R+

High-performance adsorbent, also known as KC-Trockenperlen N+

BASF Sorbead[®] R+ is a high-performance adsorbent for dehydration of air, technical gases and liquids.

The 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 R+ shows a high level of economy (above-average drying capacity at low required desorption

energy) and reliability (low level of product loss, high mechanical strength), which is derived from a combination of unique properties (high specific area, high bulk density, bead shape). Sorbead R+ is especially developed for operations requiring special product features like low corrosion risk or high crush strength and is usually protected from eventual liquid condensate by app.20% of Sorbead WS+.

Typical distribution of grain size

2.0 – 5.0 mm

Packaging

Big bag 1,875 lbs.

Steel drums 330 lbs.

Typical Properties

| | | |
|-----------------------------|--------------------------------|-----------|
| Chemical Composition | SiO ₂ | 97 wt. % |
| | Al ₂ O ₃ | 0.5 wt. % |
| Surface Area (BET) | 750 m ² /g | |
| Pore Volume | 0.4 cm ³ /g | |

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| | | |
|--|-----------------------|-----------|
| Equilibrium Capacity for Water Vapor at 25° C | 10 % R.H. | 6.5 wt. % |
| | 80 % R.H. | 42 wt. % |
| Packed Bulk Density | 50 lb/ft ³ | |
| Crushing Strength | 230 N | |
| Attrition Rate | 0.03 wt. % | |
| Liquid Water Resistant | 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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