

Sorbead[®] 22

Extreme temperature stable adsorbent

Product description

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 with a low attrition rate. Sorbead[®] adsorbents have a longer life compared to other adsorbents and can reduce operating costs due to longer time between bed changeouts.

Sorbead[®] 22 adsorbent is designed specifically for the removal of acetylene from liquid oxygen during cryogenic air separation. The very high attrition resistance of Sorbead[®] 22 prevents the generation of dust, protecting downstream processes and ensuring the performance of the air separation unit. Sorbead[®] 22 is unique for its high thermal stability at extreme temperature changes during adsorption/desorption (below -100°C /above $+80^{\circ}\text{C}$).

Sorbead[®] 22 is a reliable, robust adsorbent that provides less dusting and resistance to temperature change. The unique properties of Sorbead[®] 22 make it uniquely suited for this application and provide lower operational costs for the customer.

Typical Properties

SiO ₂ , wt %	97
Al ₂ O ₃ , wt %	3
Surface Area (BET), m ² /g	550
Pore volume, cm ³ /g	0.35

* These indicative properties do neither represent process capabilities nor specifications.

Typical distribution of grain size

- 2.8 – 6.0 mm

Packaging

- Steel drums 200 L

Sorbead[®] products are also sold under the name KC-Trockenperlen.

About Us

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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 www.catalysts.basf.com.

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