



Shanghai PingYiao Trading CO., Ltd.

KC-Trockenperlen W

Extreme temperature stable adsorbent, also known as Sorbead 22

BASF KC-Trockenperlen[®] W is an exceptionally robust adsorbent designed specifically for the removal of hydrocarbons from liquid oxygen during cryogenic air separation.

The patented BASF KC-Trockenperlen 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. KC-Trockenperlen adsorbents have a longer life than most other adsorbents and can reduce operating costs in most applications.

KC-Trockenperlen W is typically used for the operation of cryogenic air separation plants. Liquefied air must be treated from traces of undesired hydrocarbons, for example acetylene. KC-Trockenperlen W is distinguished by its high thermal stability at extreme temperature changes during adsorption/desorption (below -100°C/above +80°C).

Also, KC-Trockenperlen W has a very high attrition resistance that prevents the generation of dust that can seriously impact air separation unit performance.

Typical distribution of grain size

2.8 – 6.0 mm

Packaging

Steel drums 200 L

Typical Properties

Chemical Composition	SiO ₂	97 wt. %
	Al ₂ O ₃	3 wt. %
Surface Area (BET)	550 m ² /g	

Shanghai PingYiao Trading CO., Ltd.

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Pore Volume	0.8 cm ³ /g	
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 customer success.

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