



Shanghai PingYiao Trading CO., Ltd.

## Sorbead™ R

High performance adsorbent

BASF Sorbead™ R is a high performance adsorbent for dehydration of air, industrial gases and liquids.

The BASF Sorbead line of highly efficient adsorbents is an alumino-silicate gel formed into hard, spherical beads – having a 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 is an adsorbent with a wide range of applications and its high level of economy and reliability is derived from a combination of unique properties. Examples of economic benefits include high drying capacity and low desorption energy. BASF Sorbead R is mainly used for the dynamic drying of compressed air, natural gas, technical gases (e.g. N<sub>2</sub>, O<sub>2</sub> and CO<sub>2</sub>) and liquefied gases.

### Typical distribution of grain size

2.8 – 6.0 mm

2.0 – 5.0 mm

1.5 – 3.4 mm

0.5 – 1.5 mm

### Packaging

Big bags 1,875 lbs.

Poly bags 55 lbs.

Steel drums 55 lbs., 110 lbs.,

and 330 lbs.

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Tins 8 x 6.6 lbs., 20 x 2.2 lbs.

### Typical Properties

<b>Chemical Composition</b>	SiO <sub>2</sub>	97 wt. %
	Al <sub>2</sub> O <sub>3</sub>	3 wt. %
<b>Surface Area (BET)</b>	750 m <sup>2</sup> /g	
<b>Pore Volume</b>	0.4 cm <sup>3</sup> /g	
<b>Equilibrium Capacity for Water Vapor at 25° C</b>	10 % R.H.	6.5 wt. %
	80 % R.H.	36.3 wt. %
<b>Packed Bulk Density</b>	50 lb/ft <sup>3</sup>	
<b>Crushing Strength</b>	>200 N	
<b>Attrition Rate</b>	<0.05 wt. %	
<b>Liquid Water Resistant</b>	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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