

# Sorbead™ R

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

## Product data

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

The patented BASF Sorbead line of highly efficient adsorbents are aluminosilicate 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 is an adsorbent with a wide range of applications. Its high level of economy (above-average

drying capacity at low required desorption energy) and reliability (low level of product loss, high mechanical strength) is derived from a combination of unique properties.

Sorbead R is mainly used for the continuous drying of compressed air, technical gases (e.g. N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub>) and liquefied gases. It is protected from eventual liquid condensate by app. 20% of Sorbead WS.

### Typical distribution of grain size

- 2.0 – 5.0 mm
- Other Sizes on Request

### Packaging

- Big bag 1,875 lbs.
- Poly bags 55 lbs.
- Steel drums 55 lbs., 110 lbs., 330 lbs.
- Tins 8 x 6.6 lbs., 20 x 2.2 lbs.

### About BASF

As the world's leading chemical company, BASF's portfolio ranges from chemicals, plastics, performance products, agricultural products and fine chemicals to crude oil and natural gas. BASF's intelligent system solutions and high-value products help its customers to be more successful. BASF develops new technologies and uses them to open up additional market opportunities. It combines economic success with environmental protection and social responsibility, thus contributing to a better future.

### For further information or technical questions, please contact us:

Tel: +49 511 28 86 60  
Fax: +49 511 28 86 760  
e-mail: Sorbead@basf.com

Typical properties		
Chemical composition	SiO <sub>2</sub>	97 wt. %
	Al <sub>2</sub> O <sub>3</sub>	3 wt. %
Surface area (BET)	750 m <sup>2</sup> /g	
Pore volume	0.4 cm <sup>3</sup> /g	
Equilibrium capacity for water vapor at 25° C	10 % R.H.	6.5 Gew. %
	80 % R.H.	42 Gew. %
Packed bulk density	50 lb/ft <sup>3</sup>	
Crushing strength	200 N	
Attrition rate	0.05 wt. %	
Liquid water resistant	No	

The typical properties are representative values that do not imply any guarantee or warranty by BASF Catalysts Germany GmbH.

### BASF Catalysts Germany GmbH

Freundallee 23  
30173 Hannover  
Germany  
e-mail: Trockenperlen@basf.com  
Internet: www.basf.com

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