

# Sorbead Orange CHAMELEON

Indicating silica gel for moisture control, also known as KC-Trockenperlen Orange CHAMELEON

BASF Sorbead® Orange CHAMELEON® is used where processes and products need to be protected from the negative consequences of humidity and moisture.

Similar to our Sorbead adsorbent, BASF Sorbead Orange CHAMELEON is a beaded silica gel with very high mechanical integrity. It meets the demand for a heavy-metal free and environmental friendly indicating agent.

With a new and improved indicator, BASF Sorbead Orange CHAMELEON provides safe moisture indication without any concerns regarding carcinogenic ingredients. It also provides superior moisture indication with a crisp color change.

The degree of moisture uptake is indicated by a color change from orange to colorless at approx. 6 wt % water content. However, it continues to adsorb water from this point until reaching its maximum capacity.

BASF Sorbead Orange CHAMELEON regains its full adsorption capacity when regenerated. Its unique formulations ensure advanced stability against harmful UV-rays.

Typical applications for Sorbead Orange CHAMELEON are transformer air breathers as well as other breather filters, laboratory uses, packaging of moisture sensitive goods and many others.

## Typical distribution of grain size

- 2.0 – 5.0 mm

## Packaging

- Steel drums 55 lbs, 110 lbs, 330 lbs
- Tins 8 x 6.6 lbs, 20 x 2.2 lbs

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

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Typical Properties		
Chemical Composition	SiO <sub>2</sub>	97 wt%
	Al <sub>2</sub> O <sub>3</sub>	3 wt %
	Indicator	0.1 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 wt. %
	80 % R.H.	42 wt. %
Packed Bulk Density	0.8 kg/L	
Crushing Strength	200 N	
Attrition Rate	0.05 Gew. %	
Color Dry	Deep Orange	
Color Wet	Translucent	

*These indicative properties do not represent process capabilities nor specifications.*

## 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.

## BASF - The Chemical Company

*Sorbead adsorbents are also known by the trade name KC-Trockenperlen®.*

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