



Shanghai PingYiao Trading CO., Ltd.

SorbeadTM Orange CHAMELEON[®]

Indicating silica gel for moisture control, also known as KC-Trockenperlen[®]

Orange CHAMELEON[®]

BASF SorbeadTM Orange CHAMELEON[®] indicating silica gel is the newest adsorbent technology from 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 SorbeadTM R 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 ensures 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

Shanghai PingYiao Trading CO., Ltd.

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Packaging

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

Typical properties

Chemical Composition	SiO ₂ Al ₂ O ₃ Indicator	97 Gew.% 3 Gew.% 0.1 Gew.%
Surface Area (BET)	750 m ² /g	
Pore Volume	0.4 cm ³ /g	
Equilibrium Capacity for Water Vapor at 25° C	10 % R.H. 80 % R.H.	6.5 Gew.% 42 Gew.%
Packed Bulk Density	0.8 kg/L	
Crushing Strength	200 N	
Attrition Rate	0.05 Gew.%	
Color when dry		Deep Orange
Color when wet		Translucent

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.

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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.

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