

# KC-Trockenperlen Orange

## Technical Data Sheet



**Orange CHAMELEON® indicating silica gel is the newest adsorbent technology from . CHAMELEON is used where processes and products need to be protected from the negative consequences of humidity and moisture.**

### Product Description

Similar to our KC-Trockenperlen N adsorbent, KC-Trockenperlen 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, KC-Trockenperlen 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.

KC-Trockenperlen Orange CHAMELEON regains its full adsorption capacity when regenerated. Its unique formulation ensures advanced stability against harmful UV-rays. Typical applications for KC-Trockenperlen Orange CHAMELEON are transformer air breathers as well as other breather filters, laboratory uses, packaging of moisture sensitive goods and many others.

| TYPICAL PROPERTIES                            |  |                    |
|---|--|--------------------|
| Chemical Composition                          | SiO <sub>2</sub> ; 97<br>Al <sub>2</sub> O <sub>3</sub> ; 3<br>Indicator ; 0.1 | wt. %              |
| Surface Area (BET)                            | 750  | m <sup>2</sup> /g  |
| Pore Volume                                   | 0.40   | cm <sup>3</sup> /g |
| Equilibrium Capacity for water vapor at 25° C | 6.5 at 10% RH<br>42 at 80% RH  | wt. %              |
| Packed Bulk Density                           | 0.8  | kg/l               |
| Crushing strength                             | 200  | N                  |
| Attrition Rate                                | 0.05   | wt. %              |
| Bead size                                     | 2.0 – 5.0  | mm                 |
| Color when dry                                | Orange   |                    |
| Color when wet                                | Translucent  |                    |

The typical properties are representative values that do not imply any guarantee or warranty

| SHIPPING INFORMATION |                        |
|----------------------|------------------------|
| Packaging            | 25, 50 or 150 kg Drums |
|                      |                        |
|                      |                        |

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Nordic Filtration offers a wide selection of filtration products for water treatment. We have stock in Denmark from where we distribute all of our products to Scandinavia and the the rest of the world.

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We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you.

