

Silica gel

TROCKENPERLEN ORANGE

HAMP provides the environmentally friendly dehumidifying agent Silica gel Trockenperlen Orange (TROO), a high-performance adsorbent for drying of air, technical gases and liquids. Its solid dry pearls minimize dust formation and increase service life upon generation. We recommend this for our dehydrating breathers for oil-insulated transformers.

Silica gel Trockenperlen Orange is also suitable for laboratories and packaging bags.

- » Silica gel for moisture control, so-called Trockenperlen Orange.
- » Hard, stable grain size 2-5 mm.
- » Enhanced drying agent meets the requirement of a heavy metal-free and environmentally friendly indicator.
- » Addition of aluminium oxide (Al₂O₃) to improve the characteristics of the indicator.
- » The drying agent starts colour change already at a relative humidity of 10%, which provides a clear and reliable control of the moisture.
- » The moisture adsorption rate is indicated by colour change from orange to white (transparent), at full saturation; a water content of 6% of its own weight.
- » The function persists for a while after the colour has changed to completely transparent.
- » Trockenperlen Orange can be regenerated at 130-160 ° C and then regains its orange colour and full adsorption capacity.
- » Delivered in PET containers of 4 kg or in steel drums of 150 kg.

TECHNICAL DATA

| | | |
|--|--------------------------------|---------|
| Chemical composition | SiO ₂ | 97 wt% |
| | Al ₂ O ₃ | 3 wt% |
| | Indicator | 0,1 wt% |
| Surface area | 750 m ² /g | |
| Pore volume | 0,4 m ³ /g | |
| Adsorption property for water vapor at 25° C | 10% RH | 6,5 wt% |
| | 80% RH | 45 wt% |
| Packed bulk density | 0,8 KG/L | |
| Crushing strength | 200 N | |
| Attrition rate | 0,05 Gew% | |
| Colour (dry) | Deep orange | |
| Colour (moist) | Transparent | |



★★★ HAMP RECOMMENDS ★★★

To prevent breathing filters from clogging, HAMP recommends using Silica gel Trockenperlen Orange for dehydrating breathers.



Since 1959 we have been supplying quality products and services to companies in the electric power field. We are a secure company offering reliable deliveries, personal commitment and sound competence. We are proud of this record.

From HAMP you can rely on getting the right products when you need them. And with our experience and curiosity about possible future products we can customize solutions to suit your needs.

We can, for instance, supply flexible connections, resistors, dehydrating breathers and other transformer accessories. We are the Reinhausen partner for products, service and maintenance of tap changers in Sweden, Norway and Finland.

Our customers are to be found in Europe, Asia, Africa and the USA.

We look forward to hearing from you!