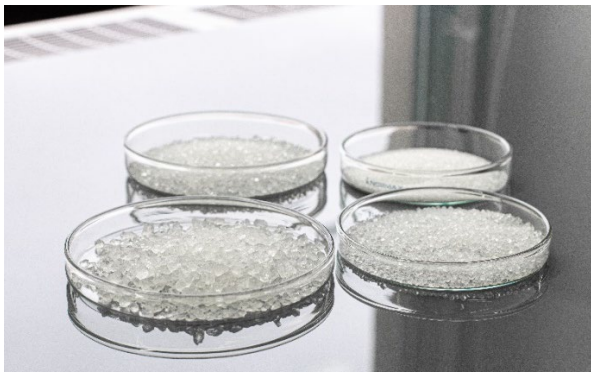
| | | |
|---|---|---|
| OKER CHEMIE® | **Product Information**<br><br>**SIOGEL® white, small pored beads** | Doc: PI-SIO-02<br>Date: 02 / 2026<br>Revision: 11 |



**SIOGEL® white, small pored beads**

are glassy, hard beads of high purity, comparable to USP pharmaceutical quality, and an internal surface area of approx. 800m²/g. Because of its very large surface area SIOGEL® beads exhibit a high adsorption capacity for water vapour. SIOGEL® beads can be reactivated without significantly reducing the adsorption efficiency. It is therefore very economical, easy to dispose of and without any known adverse effects on the environment.

**SIOGEL® white, small pored beads**

Due to its extremely high adsorptive capacity SIOGEL® has a multitude of uses: Static adsorption (moisture removal and humidity control in packaging and other enclosed spaces without induced air flow). Dynamic adsorption (moisture removal from a continuously flowing gas or liquid stream). Due to its strong affinity for polar molecules and compounds, water vapour as well as polar organic substances (e.g. ketones and acids) are adsorbed on the inner surface of Silica Gel.

## Basis

| | | |
|---|---|---|
| Formula | amorphous form of silica | $SiO_2 \cdot n (H_2O)$ |
| CAS-No. | Silica | 7631 – 86 – 9 |

## Characteristics

| | | | | |
|---|---|---|---|---|
| Adsorption capacity | at 20 % rel. humidity | min. 10.0 % | | |
| | at 40 % rel. humidity | min. 21.5 % | | |
| | at 80 % rel. humidity | min. 31.0 % | | |
| Moisture loss | max. 2.0 % | | | |
| Bulk Density | 620 – 800 g/l | | | |
| Standard grain size | 0.5 – 1.0 mm | 0.5 – 2.0 mm | 1.0 – 3.15 mm | 2.5 – 4.0 mm |
| | other special grades on request | | | |

## Packaging

| | |
|---|---|
| Carton | with PE-Inliner at 25 kg |
| Steel drum | with PE-Inliner at 125 kg |
| Big Bag | with PE-Inliner at 800 kg |

SIOGEL® must always be kept in airtight containers to avoid adsorption with water vapour. Face masks should be used during continuous exposure to extensive dusting.

**Note**

Any details of application possibilities do not free the purchaser from the obligation of performing own tests on the material supplied by the seller, in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.

**OKER-CHEMIE GmbH**



Im Schleeke 77 · 38642 Goslar ·
☎: 05321 / 74351-10 ✉ vertrieb@oker-chemie.de · 💻: http://www.oker-chemie.de