

Product

Silica gel, milky white granules with pharmaceutical-grade purity according to USP and a large mean pore diameter of 60 Å. SIOGEL® mesoporous, white 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.



Formula

$\text{SiO}_2 \cdot n (\text{H}_2\text{O})$ (synthetic amorphous silicium dioxide)

CAS-No.

7631-86-9

Physical and

Adsorption capacity at 80% RH (23°C) min. 48 %

Chemical

Adsorption capacity at 100% RH (23°C) min. 65 %

Characteristics


Moisture loss (160 °C, 4h) max. 5 %

Bulk density 500 – 600 g/L

Pore volume 0.6 – 0.85 mL/g

Standard Grain Size

1.5 – 3.15 mm

	Product Information	
	SIOGEL[®] mesoporous, white	
Date: 03 / 2021	PI-No.: SIO-17	Page 2 of 2
Revision: 01		

Application	<p>Due to its special pore structure SIOGEL[®] mesoporous is applied for many technical processes:</p> <ul style="list-style-type: none"> • Catalyst and catalyst carrier in varied chemical and petrochemical operations • Petrol refining • Dehydration and purification of liquids <p>The temperature at reactivation should not exceed 200 °C.</p>
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Packaging	Airtight in 25 kgs cartons with PE-Inliner
Handling	SIOGEL [®] mesoporous, white must always be kept in airtight containers to avoid pre-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

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Im Schleeke 77 · 38642 Goslar ·

☎ 05321 / 751-53415 ✉ vertrieb@oker-chemie.de 🌐 <http://www.oker-chemie.de>