	Product Information SIOGEL® white, wide pored	Doc: PI-SIO-03
		Date: 08 / 2025
		Revision: 06



SIOGEL® white, wide pored

are milky white or translucent irregular shaped granules with a large pore volume.

Due to its very large surface area, SIOGEL® exhibits a high adsorption capacity for water vapour. SIOGEL® 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, wide pored

Because of its special pore structure, SIOGEL® white, wide pored is applied for many technical processes. It is mainly used as catalyst and carrier of catalyst in varied chemical and petrochemical processes as well as petrol refining, for dehydration and purification of liquids, and as moisture proof protection layer in drying applications.

Basis

Formula	amorphous form of silica	$\text{SiO}_2 \cdot n(\text{H}_2\text{O})$
CAS-No.	Silica	7631 – 86 – 9

Characteristics

Adsorption capacity	at 80 % rel. humidity	min. 22.0 %
	at 100 % rel. humidity	min. 80.0 %
Moisture loss	max. 5.0 %	
Bulk Density	400 – 500 g/l	
BET	350 – 450 m ² /g	
Pore Volume	0.85 – 1.0 ml/g	
Average Pore Diameter	80 – 110 Å	
Standard grain size	0.5 – 1.5 mm	1.5 – 3.15 mm
	other special grades on request	

Packaging

Carton	with PE-Inliner at 20 kg
Big Bag	with PE-Inliner at 500 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

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