

	Product Information	Doc: PI-SIO-06
	SIOGEL® white, small pored, cracked beads	Date: 09 / 2024
		Revision: 07



SIOGEL® white, small pored, cracked beads

glassy, hard, irregular shaped granules of high purity, comparable to USP pharmaceutical quality, with an internal surface area of approx. 800m²/g.

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.

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Due to its extremely high adsorptive capacity, small pored 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).

Basis

Formula	amorphous form of silica	SiO ₂ · n (H ₂ O)
CAS-No.	Silica	7631 – 86 – 9

Characteristics

Adsorption capacity	at 10 % rel. humidity	min. 5.0 %	
	at 80 % rel. humidity	min. 32.0 %	
Moisture loss	max. 2.0 %		
Bulk Density	700 – 820 g/l		
Standard grain size	0.5 – 2.0 mm	1.0 – 3.0 mm	other grades on request

Packaging

Carton	with PE-Inliner at 25 kg
Steel drum	with PE-Inliner at 125 kg
Big Bag	with PE-Inliner up to 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.

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