	Product information	
	SIOGEL® wide pored, beige, beads	
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Product

Silica gel, water-resistant, hard spheres.
 SIOGEL® beige protects other adsorbents from water vapour or liquid water. Material can be reactivated without significantly reducing the adsorption efficiency. SIOGEL® beige is therefore very economical, easy to dispose of and without any known adverse effects on the environment.



Formula
CAS-No.

$\text{SiO}_2 \cdot n (\text{H}_2\text{O})$ (synthetic amorphous silicium dioxide)
 7631-86-9


Physical and chemical	Qualified ratio of beads	min. 90%
	Moisture loss (160 °C, 4h)	max. 3%
Characteristics	Bulk density	450 – 550 g/l
	Crush strength	min. 40 N
	Water resistance	typically 95%
Grain Size	Spheres \varnothing 2.0 – 5.0 mm	

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Application	<p>Due to its water-resistance SIOGEL®, beige has a multitude of uses:</p> <ul style="list-style-type: none"> • Dynamic adsorption (water removal from a continuously flowing gas or liquid stream) • Static adsorption (moisture removal of moisture and humidity control in packaging and other enclosed spaces without induced air flow). • SIOGEL®, beige is frequently used as protective layer in combination with silica gel, molecular sieves or other adsorbents for increased reliability of the adsorption system. • The temperature at reactivation should not exceed 200 °C.
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Packaging	<ul style="list-style-type: none"> • Airtight in 20 kg cartons with PE-Inliner • reconditioned 100 kg steel drums with PE-Inliner • 500 kg bulk bags with PE-Inliner
Handling	<p>SIOGEL®, beige 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.</p>
Note	<p>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.</p>