



HYYON® INDUSTRIAL

Date: 01 / 2019

Revision: 10

Product Information

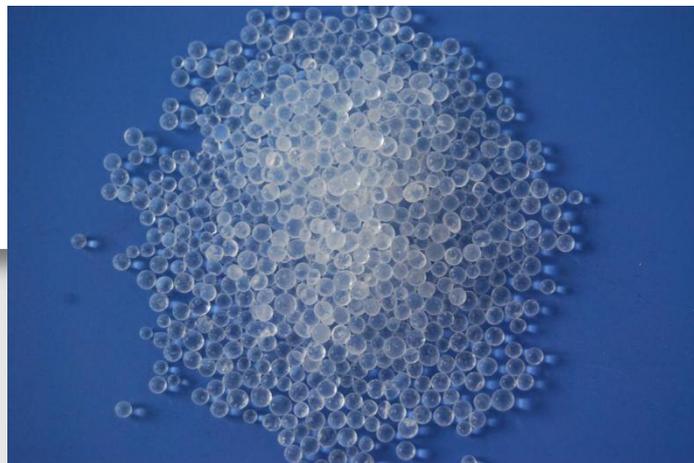
SILICAGEL small porous, white, beads

PI-No.: SG-2

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Product Description

Glassy, hard beads with a very high purity of approx. 99.5 % SiO₂ (dry basis) and an internal surface area of approx. 800m²/g. Because of its very large surface area, SG-2 exhibits a high adsorption for water vapour. SG-2 can be reactivated without significantly impairing the efficiency. It is therefore very economical, easy to dispose of and without any known adverse effects on the environment.



Formula

SiO₂ · n (H₂O) (amorphous form of silica)

CAS-No.

7631-86-9

Physical and chemical Characteristics

Typical water vapour adsorption capacity (at 25°C)

at 20 % RH min. 10.5 %

at 50 % RH min. 23.0 %

at 90 % RH min. 34.0 %

Moisture loss (140 °C)

max. 2.0 %

Bulk density

680 – 800 g/l

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Donghaixilu 37, Qingdao, China

☎ 13793298917 ✉ info@hyyon.com 💻 <http://www.hyyon.com>



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Standard grain sizes	0.2 – 1.0 mm
	0.5 – 1.6 mm
	1.0 – 3.15 mm
	2.5 – 4.0mm
	3.0 – 6.0 mm
	Other special gradings on request

Applications

Due to its extremely high adsorptive capacity SG-2 beads have a multitude of uses: Static adsorption (=removal of moisture and control of humidity in packaging and other enclosed spaces without induced air flow). The temperature of reactivation should not exceed 180 °C.

Packing

Airtight in 25 kg – bags, cartons, reconditioned 150 kg steel drums or 1000 kg-bulk bags with PE-Inliner.

Handling

SG-2 must always be kept in airtight containers to avoid pre-adsorption with water vapour. Face masks should be used at continual exposure to extensive dusting.

Note

Any details of application possibilities do not free the purchaser from the obligation of performing his 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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