

Revision: 10

## **Product Information**

SILICAGEL wide porous, water-tolerant, beads

PI-No.: SG-20

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## **Product Description**

Silica gel, water-tolerant, hard spheres.SG-20 protects other adsorbents from water vapour or liquid water. It can be reactivated without significantly impairing the efficiency.SG-20 is therefore very economical, easy to dispose and without any known adverse effects on the environment.



**Formula** 

SiO<sub>2</sub>. n (H<sub>2</sub>O) (synthetic amorphous silicium dioxide)

CAS-No.

7631-86-9

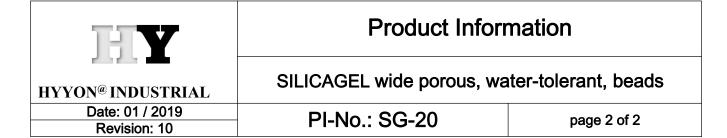
Physical and chemical Qualified ratio of beads min. 90%

**Characteristics** Moisture loss (160 °C, 4h) max. 3%

**Bulk density**  $400 - 500 \, g/l$ **Crush strength** min. 40 N

Water resistance typically 90%

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Grain size	Spheres $\Phi$ 2.0 – 5.0 mm
	Other special gradings on request

Applications	Due to its water-tolerant SG-20 has a multitude of uses:
	Dynamic adsorption (= removal of water from a
	continuously flowing gas or liquid stream)
	Static adsorption (= removal of moisture and control of
	humidity in packaging and other enclosed spaces
	without induced air flow).
	SG-20 is frequently used as protective layer in combination with silica gel, molecular sieves or other adsorbents for increasing the reliability of the adsorption system.  The temperature at reactivation should not exceed 200
	°C.
Packing	Airtight in 20 kg cartons with PE-Inliner, Airtight in 400-500 kg bulk bags with PE-Inliner.
Handling	SG-20 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 he obligation of performing his own tests on the material supplied by the seller, in order to determine their suitability for the intended rocesses 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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