



HYYON® INDUSTRIAL

Date: 01 / 2019

Revision: 10

## Product Information

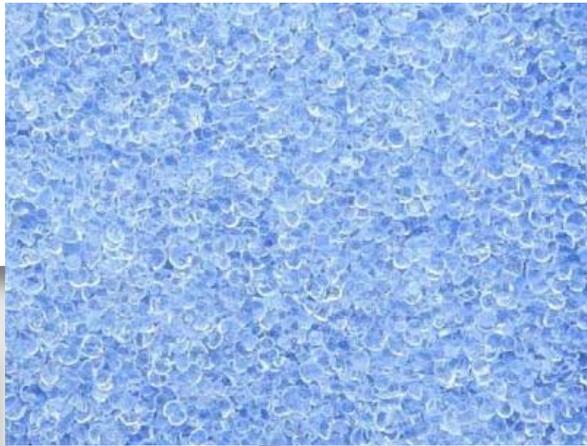
**SILICAGEL small porous, white, crushed beads**

**PI-No.: SG-6**

page 1 of 2

### Product Description

Glassy, hard, crushed beads with a very high purity of approx. 99.5% SiO<sub>2</sub> (dry basis) and an internal surface area of approx. 800m<sup>2</sup>/g. Because of its very large surface area SG-6 exhibits a high adsorption for water vapour. SG-6 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**

SiO<sub>2</sub>. n (H<sub>2</sub>O) (amorphous form of silica)

**CAS-No.**

7631-86-9

**Physical and**

Typical water vapour adsorption capacity

**chemical**

at 10 % RH

min. 5.0 %

**Characteristics**

at 80 % RH

min. 32.0 %

Moisture loss (140 °C)

max. 2.0 %

Bulk density

700 – 820 g/L

**HYYON INDUSTRIAL**

Donghaixilu 37, Qingdao, China

☎ 13793298917

✉ info@hyyon.com

🌐 <http://www.hyyon.com>



HYYON® INDUSTRIAL

Date: 01 / 2019

Revision: 10

## Product Information

**SILICAGEL small porous, white, crushed beads**

PI-No.: SG-6

page 2 of 2

**Standard grain sizes**       $\varnothing$  0.5 - 2.0 mm  
 $\varnothing$  1.0 - 3.0 mm  
Other special gradings on request

### Applications

Due to its extremely high adsorptive capacity SG-6 crushed beads have a multitude of uses: Static adsorption (=removal of moisture and control of humidity in packaging and other enclosed spaces without induces air flow). Dynamic dsorption (=removal of water from a continuously flowing glass or liquid stream). The temperature at reactivation should not exceed 180°C.

### Packing

Airtight in 25 kgs bags, cartons with PE-Inliner reconditioned 150 kgs steel drums with PE-Inliner 800 kgs-bulk bags with PE-Inliner

### Handling

SG-6 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 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.

**HYYON INDUSTRIAL**

Donghaixilu 37, Qingdao, China

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