



HYYON® INDUSTRIAL

Date: 01 / 2019

Revision: 10

Product Information

SILICAGEL wide porous, white, fine beads

PI-No.: SG-9

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Product Description

Silica gel, white translucent fine beads with a very high purity of approx. 99.5% SiO₂ (dry basis) and a large mean pore diameter of approx. 100 Å. The internal micropore structure is uniform, the physical and chemical properties are stable, the thermal stability is good, and the mechanical strength is high.



Formula

SiO₂ · n (H₂O) (synthetic amorphous silicium dioxide)

CAS-No.

7631-86-9

**Physical and chemical
Characteristics**

Moisture loss (140 °C 4h)

Max. 5%

Bulk density

400 – 500 g/l

Pore volume

0.8 – 1.1 ml/g

Specific Surface Area (BET)

300 – 450 m²/g

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Grain size

125 – 425 μm

Other special gradings on request

Applications

Due to its special pore structure SG-7 wide porous, white is applied for many technical processes:

Catalyst and catalyst carrier in varied chemical and petro-chemical operations. Separation and purification of active components in biomedicine and preparation of high purity substances.

Petrol refining

Dehydration and purification of liquids

Selective adsorption separation of organic gas or liquid.

The temperature at reactivation should not exceed 180 °C.

Packing

Airtight in 20 kg cartons, bags with PE-Inliner, Airtight in 500 kg bulk bags with PE-Inliner.

Handling

SG-5 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 his 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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