



HYYON® INDUSTRIAL

Date: 01 / 2019

Revision: 10

Product Information

SILICAGEL wide porous, beads

PI-No.: SG-8

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Product Description

Silica gel, white beads with a very high purity of approx. 99.5% SiO₂ (dry basis) and a large mean pore diameter of approx. 100 Å. SG-8 wide porous, white can be reactivated without significantly impairing the efficiency. It is therefore very economical, easy to dispose and without any known adverse effects on the environment.



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	350 – 450 g/l
Pore volume	0.75 – 1.0 ml/g
Adsorption capacity at 80% RH (23°C)	min. 60 %
Adsorption capacity at 100% RH (23°C)	min. 70 %

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Grain size	1.5 – 2.5mm
	2 – 5 mm
	4 – 8 mm
	Other special gradings on request

Applications

Due to its special pore structure SG-8 wide porous, white is applied for many technical processes:

Catalyst and catalyst carrier in varied chemical and Petro-chemical operations

Petrol refining

Dehydration and purification of liquids

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-8 wide porous, beads 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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