



HYYON® INDUSTRIAL

Date: 01 / 2019

Revision: 10

Product Information

SILICAGEL wet, powdery

PI-No.: SG-81

page 1 of 2

Product Description

Silica gel, little wet, nanometer powder, a superparticulate material with a very high purity of approx.99.5% SiO₂ (dry basis) and a large mean pore diameter of approx. 100 Å. With good stability, porous structure and large surface area, it is an excellent adsorbent and filter aids. 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. 42%
Specific surface area	300 – 600 m ² /g
Pore volume	0.9 – 1.1 ml/g
PH	3-6

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Product Information

SILICAGEL wide porous, white, powdery

PI-No.: SG-81

page 2 of 2

Grain size

7 – 15 μm

Other special gradings on request

Applications

Due to its special pore structure SG-81 wide porous, white is applied for many technical processes:

Adsorbent and filter aids in varied chemical and petro-chemical operations.

Additives and filter aids for food and beverage industries.

Beer refining.

Dehydration and purification of liquids

The temperature at reactivation should not exceed 180 °C.

Packing

Airtight in 10 kg bags, 400KG big bags with PE-Inliner.

Handling

SG-81 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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