

Product Information

SILICAGEL wet, powdery

Revision: 10 PI-No.: SG-81

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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 signifi-cantly impairing the efficiency,it is therefore very economical, easy to dispose and without any known adverse effects on the environment.



Formula

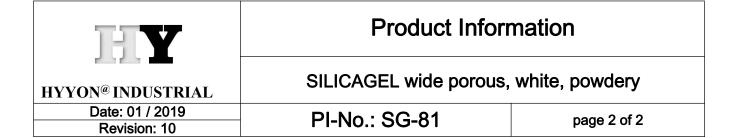
SiO₂. n (H₂O) (synthetic amorphous silicium dioxide)

CAS-No.

7631-86-9

Physical and chemical Characteristics	Moisture loss (140 °C 4h) Specific surface area	Max. 42 % 300 – 600 m²/g
	Pore volume	0.9 - 1.1 ml/g
	PH	3-6

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Grain size	$7-15~\mu\mathrm{m}$
	Other special gradings on request

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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.
1	Additives and filter aids for food and beverage industris. 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 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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