

SIPERNAT® 622 S

Product Information

Characteristic physico-chemical data^{*)}

Properties and Test Methods	Unit	Value
Specific surface area (N₂) Multipoint following ISO 9277	m ² /g	175
Particle Size, d₅₀ Laser diffraction following ISO 13320-1	µm	13.0
Tamped density not sieved following ISO 787-11	g/l	125
Loss on drying 2 h at 105 °C following ISO 787-2	%	≤ 7.0
Loss on ignition²⁾ 2 h at 1000 °C following ISO 3262-1	%	4.5
pH value 5 % in water following ISO 787-9		6.5
DOA absorption¹⁾ following Evonik method	ml/100g	220
SiO₂ content³⁾ following ISO 3262-19	%	≥ 97
Electrical Conductivity 4 % in water following ISO 787-14	µS/cm	≤ 1000
Sieve residue, Spray 45 µm following ISO 3262-19	%	≤ 1.5
Package size bag (net)	kg	15

1) based on original substance

2) based on dried substance

3) based on ignited substance

*) The given data are typical values. Specifications on request.

SIPERNAT® Specialty Silica represents a special product range of precipitated silicas, aluminum and calcium silicates.

Careful adjustments of parameters such as surface area, particle size, oil absorption capacity and purity result in products with different properties.

SIPERNAT® 622 S is a fine particle silica with medium surface area and high oil absorption capacity (DOA). It can beneficially used as flow aid/anticaking agent.

Registrations

CAS-RN of Product	112926-00-8 (ex 7631-86-9)
EINECS (Europe)	registered
ENCS (Japan)	registered
ECL (South Korea)	registered
TSCA (USA) AICS (Australia) PICCS (Philippines) DSL (Canada) IECS (China)	registered
NZIoC (New Zealand)	registered

Storage properties: The products should be stored preferable in close original baggage unit under dry conditions at ambient temperature and protected from volatile substances. The best before use date of the product is one year. After this time the product should be processed. For getting sure that the product and application properties, especially at the end of the storage time, have not changed too much, we recommend to prove again moisture up-take of the silica.