Product Information

SIPERNAT® 22 S

Characteristic physico-chemical data*)

Properties and Test Methods	Units	Value
Specific surface area (N_2) Areameter following ISO 5794-1, Annex D	m^2/g	190
Mean particle size Multisizer, 100 µm capillary following ASTM C 690	µm	7
Particle size, d50 Laser diffraction following ISO 13320-1	µm	11.5
Tamped density not sieved following ISO 787-11	g/l	90
Loss on drying 2 h at 105 °C following ISO 787-2	%	6
Loss on ignition 2) 2 h at 1000 °C following ISO 3262-1	%	5
pH value 5 % in water following ISO 787-9		6.5
DBP absorption 2) following DIN 53601	g/100 g	265
SiO_2 content 3) following ISO 3262-19	%	98
Na content as Na_2O 3) following ISO 3262-18	%	1
Fe content as Fe_2O_3 3) following ISO 5794-1, Annex C	%	0.03
Sulfate content as SO_3 1) Degussa method	%	0.8
Sieve residue 45 µm spray following ISO 3262-19	%	0.8
Package size bag (net)	kg	15

1) based on original substance
2) based on dry substance
3) based on ignited substance
***) The given data are typical values.**

SIPERNAT® Specialty Silica represent a specific product range of precipitated silica, aluminium and calcium silicates.

Careful adjustment of parameters such as surface area, particle size, purity, oil absorption capacity or hydrophobicity results in products with different properties.

SIPERNAT® 22 S is a fine particle silica with high oil absorption (DBP) and therefore high absorption capacity for liquids.

Registrations

CAS-RN of Product	112926-00-8 (ex 7631-86-9)
EINECS (Europe)	231-545-4
ENCS (Japan)	1-548
ECL (South Korea)	KE-32733 (KE-31032)
TSCA (USA) AICS (Australia) PICCS (Philippines) DSL (Canada) IECS (China)	registered

Storage properties: To ensure that the product and its applications properties remain fixed, Specialty Silicas should be stored in closed, dry locations and protected from volatile substances. Although proper storage will provide for a long useful product life without any expiry date, it is frequently difficult to accomplish. We therefore recommend to retest moisture uptake of hydrophilic grades after one year and of hydrophobic grades after two years.

For further information please contact:

Applied Technology	Europe	NAFTA	ASIA
Evonik Degussa GmbH Inorganic Materials Rodenbacher Chaussee 4 D-63457 Hanau-Wolfgang Germany	Evonik Degussa GmbH Inorganic Materials Weißfrauenstraße 9 D-60287 Frankfurt am Main Germany	Evonik Degussa Corporation Inorganic Materials 379 Interpace Parkway, Building C Parsippany, NJ 07054-0677 USA	Evonik Degussa (SEA) Pte. Ltd. Inorganic Materials 3 International Business Park #07-18, Nordic European Centre Singapore 609927
PHONE +49 6181 59-6052 FAX +49 6181 59-4096	PHONE +49 69 218-5308 FAX +49 69 218-65308	PHONE +1 800 233-8052 FAX +1 973 541-8710	PHONE +65 6890 6855 FAX +65 6890 6859
sipernat@evonik.com	silica@evonik.com	silica-us@evonik.com	silica-ap@evonik.com

Apr 08