

Product Information

SIPERNAT® D 10

CAS NUMBER

67762-90-7

PRODUCT DESCRIPTION

SIPERNAT® D 10 is a hydrophobic (i. e. not wettable by water) silica, with a high methanol wettability and low surface area.

Typical Properties

Property	Unit	Value
Chemical Name		Silicones and siloxanes, dimethyl-, reaction products with silica
Loss on Drying 2h at 105°C following ISO 787-2	%	≤4.0
Loss on Ignition 2h at 1000°C ¹ following 3262-1	%	≤8.0
Methanol Wettability internal method	%	≥56
Particle Size d50 Laser diffraction Coulter LS following ISO 13320	µm	6.5
Particle Size d50 Laser diffraction Bettersizer following ISO 13320	µm	5.0
pH Value 5% in water/methanol 1:1 following ISO 789-9		10.3
Sieve Residue 45 µm Spray following ISO 3262-19	ppm	≤400
Tamped Density not sieved following ISO 787-11	g/l	80

The data represents typical values (no product specification)

¹ based on dry substance (2h/105°C)

TYPICAL APPLICATIONS

Defoamer

Product Composition

Product Composition	Unit	Value
Carbon (C) Content elemental analyzer LECO following ISO 3262-19	%	3.0
Iron (Fe) Content internal method ¹	ppm	≤400
Sodium (Na) Content internal method ¹	%	≤1.2
Silicon Dioxide (SiO₂) Content following ISO 3262-19 ²	%	≥97
Sulfate (SO₄) Content following ISO 15350 ¹	%	≤1.0

The data represents typical values (no product specification)

¹ based on original substance ² based on ignited substance (2h/1000°C)

SAFETY

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL sdsim@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

PACKAGING

For details regarding our packaging options for this product, please contact your local sales representative.

STORAGE

Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. We therefore recommend storing the products in their original packaging (e.g. fully shrink-wrapped) or in sealed containers in a dry place away (or apart) from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could

lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

SHELF LIFE

2 years

Registration Listings

Registry	Status
Australia (AIRC)	Yes
Canada (DSL)	Yes

Registration Listings

Registry	Status
China (IECSC)	Yes
EU (EINECS/ELINCS) 231-545-4	Yes
EU (REACH)	Yes
Japan (ENCS)	Yes
South Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
USA (TSCA)	Yes

Disclaimer

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