

AEROSIL® 300

Hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	270 - 330
pH value in 4% dispersion		3.7 - 4.5
Loss on drying* 2 hours at 105°C	%	≤ 1.5
Tamped density*	g/l	approx. 50
SiO ₂ content based on ignited material	%	> 99.8

* ex plant

The data represents typical values (no product specification).

Registrations (substance or product components)

AEROSIL® 300

CAS-No.	112 945-52-5 7631-86-9
REACH (Europe)	registered
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
IECS (China)	registered
KECI (Korea)	registered

AEROSIL® 300 is a hydrophilic fumed silica with a specific surface area of 300 m²/g.

Applications and properties

Applications

- Paints and coatings
- HTV- and LSR (Liquid Silicone Rubber)
- Cable compounds and unsaturated polyester resins
- Adhesives and sealants
- Printing inks
- Cosmetics

Properties

- Rheology and thixotropy control of liquids, binders, polymers, etc.
- Optimal dispersion yields best results in pronounced thickening and thixotropy
- Reinforcement of HTV- and LSR (Liquid Silicone Rubber) at a high transparency level
- Excellent transparency in unsaturated polyester resins

Safety and handling

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 Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® 300 is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® 300 should be used within 2 years after production.

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