

AEROSIL® 300 V

Densified hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	300 ± 30
Tamped density* acc. to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 120
Loss on drying* 2 hours at 105°C	wt. %	≤ 1.5
Ignition loss 2 hours at 1000°C based on material dried for 2 hours at 105°C	wt. %	≤ 2.0
pH in 4% dispersion		3.7 - 4.5
SiO ₂ - content based on ignited material	wt. %	> 99.8
* ex plant The data represents typical values (no product specification).		

Registration

AEROSIL® 300 V

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 V is a densified hydrophilic fumed silica with a specific surface area of 300 m²/g.

Applications and properties

Applications

- Paints and coatings
- HCR- and LSR (LIMS)-silicone rubber
- Cable compounds and unsaturated polyester resins
- Adhesives and sealants
- Printing inks

Properties

- Rheology and thixotropy control of liquids, binders, polymers, etc.
- Optimal dispersion yields best results in pronounced thickening and thixotropy.
- Reinforcement of HCR- and LSR (LIMS)-silicone rubber.
- Excellent transparency in unsaturated polyester resins.
- Reduced dust development.
- Improved incorporation and handling when applying sufficient sheer forces.

Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Industries AG, Product Safety Department, E-MAIL sds-im@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the material safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® 300 V is supplied in multiple layer 20 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® 300 V should be used within 2 years after production.

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