

AEROSIL® 300 V

Densified 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. 120
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 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
IECSC (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 shear forces

Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at sds-hu@evonik.com for specific questions. We recommend to reach the safety data sheet carefully prior to use of the 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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