

AEROSIL® 255

Hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	220 - 280
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® 255

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® 255 is a hydrophilic fumed silica with a specific surface area of 255 m²/g.

Applications and properties

Applications

- Paints and coatings
- Unsaturated polyester resins, laminating resins and gel coats
- HTV-, LSR- and RTV-2K-silicone rubber
- Adhesives and sealants
- Printing inks
- Cable compounds and cable gels
- Plant protection

Properties

- Rheology and thixotropy control of liquid systems, binders, polymers, etc.
- Used as anti-settling, thickening and anti-sagging agent
- Reinforcement of HTV-, LSR- and RTV-2K silicone rubber
- Improvement of free flow and anticaking characteristics of powders

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® 255 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® 255 should be used within 2 years after production.

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