

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
IECSC (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

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 read the safety data sheet carefully prior to use of the 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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