

AEROSIL® 50

Hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	35 - 65
pH value in 4% dispersion		4.3 - 5.0
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® 50

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® 50 is a fumed silica with a specific surface area of 50 m²/g.

Applications and properties

Applications

- Chemical Mechanical Planarization (CMP)
- RTV-1K, -2K, liquid silicone rubber (LSR) and sealants

Properties

- AEROSIL® grade with a small surface area
- High purity
- High removal rates
- Improved reinforcement and thixotropic effect in RTV-silicone rubber
- Suitable for achieving high loading levels or improving extrudability

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 Operations, Product Safety Department, E-MAIL sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® 50 is supplied in multiple layer 5 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

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