

AEROSIL® R 972

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	90 - 130
pH value in 4% dispersion		3.6 - 5.5
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
C content	%	0.6 - 1.2
Tamped density* ISO 787-11, modified	g/l	approx. 50
SiO ₂ content based on ignited material	%	≥ 99.8

* ex plant

The data represents typical values (no product specification).

Registration

AEROSIL® R 972

CAS-No.	68 611-44-9
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
IECS (China)	registered
PICCS (Philippines)	registered

AEROSIL® R 972 is a fumed silica aftertreated with DDS (Dimethyldichlorosilane)

Applications and properties

Applications

- Silicone rubber and silicone sealants
- Paints and coatings
- Printing inks and toner
- Adhesives
- Cable compounds and gels
- Plant protection
- Cosmetics

Properties

- Hydrophobic component for thickening and reinforcement of RTV-1 K silicone sealants.
- Improves shelf-life of silicone sealants.
- Water resistant, hydrophobising of liquid systems.
- Rheology control of (complex) liquid systems.
- For use in coatings as anti-settling agent, for pigment stabilization and improvement of corrosion protection.
- Improves hydrophobicity and rheology of offset printing inks.
- Improvement and maintenance of free flow and anti-caking characteristics of powders.

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® R 972 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® R 972 should be used within 2 years after production.

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