

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* modified	g/l	approx. 50
SiO ₂ content based on ignited material	%	≥ 99.8

* ex plant

** Narrower pH possible, depending on region.

The data represents typical values (no product specification).

Registrations (substance or product components)

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
IECSC (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

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® 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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