

# AEROSIL® R 972

## Hydrophobic fumed silica

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /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 <sub>2</sub> 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](mailto:sds-hu@evonik.com) for specific questions. We recommend to reach 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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