

# AEROSIL® R 972 V

## Densified 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 - 5.0
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
Tamped density*	g/l	approx. 90
SiO <sub>2</sub> content based on ignited material	%	≥ 99,8
Carbon content	%	0.6 - 1.2
* ex plant The data represents typical values (no product specification).		

### Registrations (substance or product components)

#### AEROSIL® R 972 V

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 V is a densified hydrophobic fumed silica after treated with DDS (Dimethyldichlorosilane) based on a hydrophilic fumed silica with a specific surface area of 130 m<sup>2</sup>/g.

### Applications and properties

#### Applications

- Silicone rubber
- Paints and coatings
- Printing inks and toner
- Adhesives
- Cable compounds and gels

#### Properties

- Hydrophobic reinforcing component for HCR-silicone rubber
- 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
- Reduced dust development
- Improvement and maintenance of free flow and anti-caking characteristics of powders
- Improved incorporation and handling when applying sufficient shear forces

## 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](mailto:sds-im@evonik.com) We recommend to read carefully the safety data sheet prior to the use of our product.

## Packaging and storage

AEROSIL® R 972 V is supplied in multiple layer 15 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 V should be used within 2 years after production.

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