

# 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

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 read the safety data sheet carefully prior to use of the 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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### Customer Service

#### Europe/ Middle-East/ Africa/ Latin America

**Evonik Resource Efficiency GmbH**  
Business Line Silica  
PB 010-A410  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59 12532  
FAX +49 6181 59 712532  
[aerosil@evonik.com](mailto:aerosil@evonik.com)  
[www.aerosil.com](http://www.aerosil.com)

#### North America

**Evonik Corporation**  
Business Line Silica  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 800-233-8052  
FAX +1 973-929-8502  
[aerosil@evonik.com](mailto:aerosil@evonik.com)  
[www.aerosil.com](http://www.aerosil.com)

#### Asia (excluding Japan)

**Evonik (SEA) Pte. Ltd.**  
Business Line Silica  
3 International Business Park  
Nordic European Centre, #07-18  
Singapore 609927  
PHONE +65 6809-6877  
FAX +65 6809-6677  
[aerosil@evonik.com](mailto:aerosil@evonik.com)  
[www.aerosil.com](http://www.aerosil.com)

#### Japan

**NIPPON AEROSIL CO., LTD.**  
Marketing & Sales Division  
P.O. Box 7015  
Shinjuku Monolith 13F  
3-1, Nishi-Shinjuku 2-chrome  
Shinjuku-ku, Tokyo  
163-0913 Japan  
PHONE +81 3 3342-1789  
FAX +81 3 3342-1761  
[infonac@evonik.com](mailto:infonac@evonik.com)  
[www.aerosil.jp](http://www.aerosil.jp)

### Technical Service

#### Europe/ Middle-East/ Africa/ Latin America

**Evonik Resource Efficiency GmbH**  
Business Line Silica  
HPC 911-221 A  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3936  
FAX +49 6181 59 4489  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.aerosil.com](http://www.aerosil.com)

#### North America

**Evonik Corporation**  
Business Line Silica  
2 Turner Place  
Piscataway, NJ 08855-0365  
USA  
PHONE +1 888 SILICAS  
PHONE +1 732 981-5000  
FAX +1 732 981-5275  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.aerosil.com](http://www.aerosil.com)

#### Asia (excluding Japan)

**Evonik Specialty  
Chemicals (Shanghai) Co.,Ltd**  
Business Line Silica  
55 Chundong Road  
Xinzhuang Industry Park  
Shanghai 201108  
P.R. China  
PHONE +86 21 6119-1151  
FAX +86 21 6119-1075  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.aerosil.com](http://www.aerosil.com)

#### Japan

**NIPPON AEROSIL CO., LTD.**  
Applied Technology Group  
3 Mita-Cho  
Yokkaichi, Mie  
510-0841 Japan  
PHONE +81 59 345-5270  
FAX +81 59 346-4657  
[infonac@evonik.com](mailto:infonac@evonik.com)  
[www.aerosil.jp](http://www.aerosil.jp)