

AEROSIL® R 976 S

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	215 - 265
pH value in 4% dispersion		4.0 - 5.5
Loss on drying 2 hours at 105 °C	%	≤ 0.5
C content	%	2.0 - 2.6
Bulk density*	g/l	approx. 50
SiO ₂ content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AEROSIL® R 976 S

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

AEROSIL® R 976 S is a hydrophobic 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

Properties

- Hydrophobic component for thickening and reinforcement of silicone rubber
- 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 Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® R 976 S 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 976 S should be used within 2 years after production.

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