

AEROSIL® R 974 V

Densified hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific Surface (BET)	m ² /g	150 - 190
pH value in 4% dispersion		3.7 - 4.7
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
C content	%	0.7 - 1.3
Tamped density modified	g/l	approx. 90
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 974 V

CAS-No.	68 611-44-9 60 842-32-2
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
IECSC (China)	registered
KECI (Korea)	registered

AEROSIL® R 974 V is a densified hydrophobic fumed silica aftertreated with DDS (Dimethyldichlorosilane).

Applications and properties

Applications

- Silicone rubber
- Paints and coatings
- Negative toner
- Adhesives
- Coating polymers

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
- Improvement and maintenance of free-flow and anti-caking characteristics of powders
- Improves hydrophobicity and rheology of offset printing inks
- Due to large surface area improved thickening and thixotropic effect as well as transparency
- 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 for specific questions. We recommend to read the safety data sheet carefully prior to use of the product.

Packaging and storage

AEROSIL® R 974 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 974 V should be used within 2 years after production.

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