

AEROSIL® R 202 VV 90

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	80 - 120
pH value in 4% dispersion		4.0 - 6.0
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
Tamped density*	g/l	approx. 90
SiO ₂ content based on ignited material	%	≥ 99.8
Carbon content	%	3.5 - 5.0
Average primary particle size	nm	14

* ex plant

The data represents typical values (no product specification).

Registrations (substance or product components)

AEROSIL® R 202 VV 90

CAS-No.	67762-90-7
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
IECS (China)	registered

AEROSIL® R 202 VV 90 is a fumed silica aftertreated with a polydimethylsiloxane.

Applications and properties

Applications

- Adhesives and sealants
- Epoxy-, vinylester resins and gelcoats
- Cable gels

Properties

- Thickening and thixotropy of complex polar liquids based on epoxy, polyurethane or vinylester resins
- Thickening and thixotropy of cable gels for fiber optic cables
- Anti-settling agent for heavy fillers
- Improved wet-in behaviour compared to AEROSIL® R 202

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 202 VV 90 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 202 VV 90 should be used within 2 years after production.

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