

Product Information

▶ AEROSIL[®] R 202

Hydrophobic Fumed Silica

AEROSIL[®] R 202 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.

Physico-chemical Data

<i>Properties</i>	<i>Unit</i>	<i>Typical Value</i>
Specific surface area (BET)	m ² /g	100 ± 20
Carbon content	wt. %	3.5 - 5.0
Average primary particle size	nm	14
Tapped density* (approx. value) acc. to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 60
Moisture* 2 hours at 105 °C	wt. %	≤ 0.5
Ignition loss 2 hours at 1000°C, based on material dried for 2 hours at 105°C	wt. %	4.0 - 6.0
pH in 4% dispersion		4.0 - 6.0
SiO₂-content based on ignited material	wt. %	≥ 99.8

* ex plant

The data represents typical values and not production parameters.

Safety and Handling

With every sample or initial shipment of our products we will send a Material Safety Data Sheet. Of course, you can also request an MSDS or any other information regarding product safety at any time, or download it as a registered user at www.aerosil.com.

Packaging and Storage

AEROSIL® R 202 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 202 should be used within 2 years after production.

Registration

AEROSIL® R 202					
CAS-No.	EINECS	TSCA (USA), AICS (Australia), DSL (Canada), PICCS (Philippines)	ENCS (Japan)	ECL (Korea)	IECS (China)
67762-90-7	exempted	registered	1-548/7-476	KE-31207	List III

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Please visit our website www.aerosil.com to find your local contact.

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