

AEROSIL® R 8200

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	135 - 185
pH value in 4% dispersion		≥ 5.0
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
C content	%	2.0 - 4.0
Tamped density* ISO 787-11, modified	g/l	approx. 140
SiO ₂ content based on ignited material	%	≥ 99.8

* ex plant

The data represents typical values (no product specification).

Registration

AEROSIL® R 8200

CAS-No.	68909-20-6
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
IECS (China)	registered
PICCS (Philippines)	registered

AEROSIL® R 8200 is a structure modified with hexamethyldisilazane aftertreated fumed silica.

Applications and properties

Applications

- Silicone rubber
- Adhesives and Sealants
- Defoamers
- Toner

Properties

- Low thickening effect and excellent processability enable high loading levels of polymer systems.
- Excellent reinforcing properties in silicone rubber applications at high filler loading levels (e.g. self-levelling RTV-1, RTV-2, LSR)
- Well suited for transparent systems.
- Free-flow aid for powders.

Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Industries AG, Product Safety Department, E-MAIL sds-im@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the material safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® R 8200 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 8200 should be used within 2 years after production.

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