

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).		

Registrations (substance or product components)

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
IECSC (China)	registered
PICCS (Philippines)	registered

AEROSIL® R 8200 is a structure modified fumed silica surface treated with HMDS with low thickening effects.

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

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 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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