

AEROSIL® R 709

Surface modified fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	25 - 45
pH value in 4% dispersion		4.5 - 7.5
Loss on drying* 2 hours at 105 °C	%	≤ 2.5
Carbon content	%	1.5 - 3.5
Tamped density*	g/l	approx. 130
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 709

CAS-No.	100 402-78-6
REACH (Europe)	exempted
TSCA (USA) DSL (Canada)	registered
ENCS (Japan)	registered
AICS (Australia)	registered

AEROSIL® R 709 is a fumed silica aftertreated with a methacrylsilane.

Applications and properties

Applications

- Dental composites

Properties

- Effective rheology control in complex composite formulations
- Increased hardness of the composite material due to high loading level, which can be achieved by the use of AEROSIL® R 709
- Good incorporation behavior and processability

Packaging and storage

AEROSIL® R 709 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 709 should be used within 2 years after production.

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.

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