

Product information

# **AEROSIL® R 709**

# Surface modified fumed silica

#### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m²/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/I	арргох. 130
SiO <sub>2</sub> content based on ignited material	%	≥ 99.8
*1		

<sup>\*</sup> ex plant

# Registrations (substance or product components)

# AEROSIL® R 709

100 402-78-6
exempted
registered
registered
registered

AEROSIL® R 709 is a fumed silica surface treated with a methacrylsilane used mainly in Dental composites.

# **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

The data represents typical values (no product specification).

### 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 Operations, Product Safety Department, E-MAIL sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

# 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.

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