

## AEROSIL® R 711

### Surface modified fumed silica

#### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	125 - 175
pH value 4% dispersion		4.0 - 6.0
Loss on drying* 2 hours at 105 °C	%	≤ 1.5
C content	%	4.5 - 6.5
Tamped density* modified	g/l	approx. 60
SiO <sub>2</sub> content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification).		

#### Registrations (substance or product components)

##### AEROSIL® R 711

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

AEROSIL® R 711 is a fumed silica aftertreated with a methacrylsilane.

#### Applications and properties

##### Applications

- Paints and coatings systems
- Plastics and elastomers
- Dental composites

##### Properties

- Effective rheology control in complex liquid systems
- Improvement of scratch and mar resistance of paints and coatings systems (e.g. UV-curing) and printing inks
- Improvement of the mechanical properties, e.g. hardness of composite formulations and plastics

#### 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](mailto:sds-hu@evonik.com) or can be downloaded from our homepage [www.aerosil.com](http://www.aerosil.com). We recommend to read carefully the safety data sheet prior to the use of our product.

#### Packaging and storage

AEROSIL® R 711 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 711 should be used within 2 years after production.

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## Customer Service

### Europe/ Middle-East/ Africa/ Latin America

#### Evonik Resource Efficiency GmbH

Business Line Silica  
PB 010-A410  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59 12532  
FAX +49 6181 59 712532  
aerosil@evonik.com  
www.aerosil.com

### North America

#### Evonik Corporation

Business Line Silica  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 800-233-8052  
FAX +1 973-929-8502  
aerosil@evonik.com  
www.aerosil.com

### Asia (excluding Japan)

#### Evonik (SEA) Pte. Ltd.

Business Line Silica  
3 International Business Park  
Nordic European Centre, #07-18  
Singapore 609927  
PHONE +65 6809-6877  
FAX +65 6809-6677  
aerosil@evonik.com  
www.aerosil.com

### Japan

#### NIPPON AEROSIL CO., LTD.

Marketing & Sales Division  
P.O. Box 7015  
Shinjuku Monolith 13F  
3-1, Nishi-Shinjuku 2-chrome  
Shinjuku-ku, Tokyo  
163-0913 Japan  
PHONE +81 3 3342-1789  
FAX +81 3 3342-1761  
infonac@evonik.com  
www.aerosil.jp

## Technical Service

### Europe/ Middle-East/ Africa/ Latin America

#### Evonik Resource Efficiency GmbH

Business Line Silica  
HPC 911-221 A  
Rodenbacher Chaussee 4  
63403 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3936  
FAX +49 6181 59 4489  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### North America

#### Evonik Corporation

Business Line Silica  
2 Turner Place  
Piscataway, NJ 08855-0365  
USA  
PHONE +1 888 SILICAS  
PHONE +1 732 981-5000  
FAX +1 732 981-5275  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### Asia (excluding Japan)

#### Evonik Specialty Chemicals (Shanghai) Co.,Ltd

Business Line Silica  
55 Chundong Road  
Xinzhuang Industry Park  
Shanghai 201108  
P.R. China  
PHONE +86 21 6119-1065  
FAX +86 21 6119-1075  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### Japan

#### NIPPON AEROSIL CO., LTD.

Applied Technology Group  
3 Mita-Cho  
Yokkaichi, Mie  
510-0841 Japan  
PHONE +81 59 345-5270  
FAX +81 59 346-4657  
infonac@evonik.com  
www.aerosil.jp