

# AEROSIL® R 7200

## Hydrophobic 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 in 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. 230
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 7200

CAS-No.	100 402-78-6
REACH (Europa)	registered
TSCA (USA)	registered
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia)	registered

AEROSIL® R 7200 is a structure-modified fumed silica aftertreated with methacrylsilane to ensure high filler loading.

### Applications and properties

#### Properties

- Low thickening effect
- Possible to incorporate up to 20 weight-% using the usual dispersion technology (such as bead mill)
- Acts as an active filler in acrylate systems
- As a filler it can increase the scratch resistance of paint and coating systems (such as UV-curing) and printing inks
- As a filler it improves the mechanical properties, such as the hardness of plastics

#### Applications

- Methacrylate-functionalized reinforcing additive with cross-linking option for polymers, composite materials, printing inks, and acrylate-based coatings
- To improve the mechanical stability of acrylate systems, such as resistance to abrasion or scratches

## Packaging and storage

AEROSIL® R 7200 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 7200 should be used within 2 years after production.

## 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](mailto:sds-hu@evonik.com) for specific questions. We recommend to reach the safety data sheet carefully prior to use of the product.

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