

## AEROSIL® R 812 S

### Hydrophobic fumed silica

#### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	195 - 245
pH value in 4% Dispersion		5.5 - 7.5
Loss on drying 2 hours at 105 °C	%	≤ 0.5
C content	%	3.0 - 4.0
Tamped density* ISO 787-11, 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).

#### Registration

##### AEROSIL® R 812 S

CAS-No.	68 909-20-6
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
IECS (China)	registered
PICCS (Philippines)	registered

AEROSIL® R 812 S is a fumed silica aftertreated with HMDS based on AEROSIL® 300.

#### Applications and properties

##### Applications

- Paints and coatings systems
- Silicone rubber
- Adhesives and sealants
- Cosmetics

##### Properties

- Effective rheology control in complex liquid systems (e.g. 2 pack-PUR coatings).
- can be applied in coatings systems as an anti-settling agent, for the stabilization of pigments and to enhance the effect of corrosion protection.
- Free flow aid in powder coatings.
- can easily be incorporated into silicone rubber formulations and improves their mechanical and optical properties.

#### Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Industries AG, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) or can be downloaded from our homepage [www.aerosil.com](http://www.aerosil.com). We recommend to read carefully the material safety data sheet prior to the use of our product.

#### Packaging and storage

AEROSIL® R 812 S 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 812 S should be used within 2 years after production.

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