Product information

AEROSIL® R 812 S

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m^2/g	195 - 245
pH value in 4% Dispersion		5.5 - 9.0
Loss on drying 2 hours at 105 °C	%	≤ 0.5
Tamped density* modified	g/l	approx. 60
SiO_2 content based on ignited material	%	≥ 99.8
C content	%	3.0 - 4.0

* ex plant
The data represents typical values (no product specification).

Registrations (substance or product components)

AEROSIL® R 812 S

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

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

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

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.

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 for specific questions. We recommend to reach the safety data sheer carefully prior to use of the product.

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