

AEROSIL® R 812

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	230 - 290
pH value in 4% dispersion		5.5 - 8.0
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
C content	%	2.0 - 3.0
Tamped density* modified	g/l	approx. 60
SiO ₂ content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification).		

Registration (substances or product components)

AEROSIL® R 812

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 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

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 or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

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

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