Product Information

AEROSIL® R 812

CAS NUMBER

68909-20-6

INCI NAME

Europe: Silica Silylate; NAFTA: Silica Silylate

PRODUCT DESCRIPTION

AEROSIL® R 812 is a high thickening fumed silica surface treated with HMDS.

Typical Properties

Property	Unit	Value
BET Surface Area	m^2/g	230-290
Chemical Name		Silanamine, 1,1,1-trimeth-yl-N-(trimethylsilyl)-, hydrolysis products with silica
Loss on Drying	wt%	≤0.5
Loss on Ignition	wt%	≤2.5
pH Value in 4% Dispersion		5.5-8.0
Tamped Density	g/l	60

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Typical applications: paint and coatings, powder coatings, toner, plant care, cosmetics

Product Composition

Product Composition	Unit	Value
Carbon (C) Content	wt%	2.0-3.0
Silicon Dioxide (SiO_2) Content based on ignited material	wt%	99.8-100.0

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- The product has a large specific surface area and is very hydrophobic
- Good flowability and dispersion properties
- Excellent effect in the rheological control of complex liquid systems (such as 2 K PUR coatings)
- Because of the fineness of the particles and the very marked hydrophobia, the product acts as an excellent flow agent for fine powders up to 1 µm

HANDLING & PROCESSING

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 available from Evonik Operations, Product Safety Department, E-MAIL sds-im@evonik.com. We recommend to read carefully the safety data sheet prior to the use of our product.

PACKAGING

AEROSIL® R 812 is supplied in multiple layer 10kg bags.

STORAGE

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.

SHELF LIFE

2 years

Registration Listings

Registry	Status
Australia (AIIC)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
EU (EINECS/ELINCS)	Yes
EU (REACH)	Yes

Registration Listings	
Registry	**Status**
Japan (ENCS)	Yes
South Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Türkiye (KKDIK)	not available

Registration Listings	
Registry	**Status**
Taiwan (TCSI)	not available
USA (TSCA)	Yes
Vietnam (NCI)	not available

Disclaimer

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