

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-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica
Loss on Drying, max.	wt%	0.5
Loss on Ignition, max.	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 (SiO₂) 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
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Australia (AIIC)	Yes
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Canada (DSL)	Yes
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China (IECSC)	Yes
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EU (REACH)	Yes
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European Union (EINECS/ELINCS)	Yes
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Japan (ENCS)	Yes
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South Korea (KECL)	Yes
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Registration Listings

Registry	Status
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New Zealand (NZIoC)	Yes
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Philippines (PICCS)	Yes
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Türkiye (KKDIK)	not available
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Taiwan (TCSI)	not available
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United States of America (TSCA)	Yes
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Vietnam (NCI)	not available
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Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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