

AEROSIL® R 816

Surface modified fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	190 ± 20
Carbon content	wt. %	0.9 - 1.8
Tamped density* acc. to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 60
Moisture* 2 hours at 105 °C	wt. %	≤ 1.0
pH in 4% dispersion		4.0 - 5.5
SiO ₂ - content based on ignited material	wt. %	≥ 99.8
* ex plant The data represents typical values (no product specification).		

Registration

AEROSIL® R 816

CAS-No.	199 876-45-4
REACH (Europe)	exempted
TSCA (USA)	exempted
DSL (Canada)	exempted
AICS (Australia)	exempted
ENCS (Japan)	registered

AEROSIL® R 816 is a fumed silica aftertreated with a hexadecylsilane based on AEROSIL® 200.

Applications and properties

Applications

- Water-based coatings systems

Properties

- Effective rheology control in complex liquid systems.
- AEROSIL® R 816 can be applied in coatings systems as an anti-settling agent, for the stabilization of pigments and to enhance the effect of corrosion protection.

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 or can be downloaded from our homepage 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 816 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 816 should be used within 2 years after production.

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