

AEROSIL® R 104

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	125 - 175
pH value in 4% dispersion		≥ 4.0
Loss on drying* 2 hours at 105°C	%	≤ 1.5
C content	%	1.0 - 2.0
Tamped density* modified	g/l	approx. 50
SiO ₂ content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification).		

Registrations (substance or product components)

AEROSIL® R 104

CAS-No.	68 583-49-3
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
IECS (China)	registered

AEROSIL® R 104 is a hydrophobic fumed silica after treated with D4 (Octamethylcyclotetrasiloxane).

Applications and properties

Applications

- Silicone rubber
- Sealants
- Thermoplastics
- Toner

Properties

- Reinforcing component for HCR-silicone rubber
- Thickening agent for RTV- 1K Silicone sealants
- Rheology control of binders and polymers
- Improvement and maintenance of free flow and anti-caking characteristics of powders
- Improved tribo electric charge stability
- AEROSIL® with low chloride content

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 104 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 104 should be used within 2 years after production.

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