

AEROSIL® REA 90

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	40 - 70
pH value in 4% dispersion		7.5 - 10.0
Loss on drying** 2 hours at 105 °C	%	≤ 1.0
Bulk density	g/l	approx. 50
Carbon content	%	3.0 - 6.0
Triboelectric charge*	μC/g	approx. +400
Core material		SiO ₂

* Evonik method

** ex plant

The data represents typical values (no product specification)

Registrations (substance or product components)

AEROSIL® REA 90

CAS-No.	existing
EINECS (Europe)	registered
TSCA (USA)	confirmed by EPA, exempted for toner and dry coatings (no reactions intended)(40 CFR 720.30(h)(7))
ENCS (Japan), IECS (China), PICCS (Philippines)	registered
AICS (Australia), DSL (Canada)	exempted, where a substance solely intended to impart a specific physico-chemical characteristic functions
KECI (Korea)	registered

AEROSIL® REA 90 is a positive charged hydrophobic fumed silica.

Applications and properties

Applications

- Toner

Properties

- AEROSIL® REA 90 has a positive electrostatic charge and provides a high charge stability to toners
- Both efficient flowability and durability of toner are enhanced

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® REA 90 is supplied in multiple-layer 5 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® REA 90 should be used within 1 year after production.

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