

# AEROSIL® RX 300

## Hydrophobic fumed silica

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	180 - 220
pH value in 4% dispersion		6.0 - 8.0
Loss on drying** 2 hours at 105 °C	%	≤ 0.5
Bulk density	g/l	approx. 40
SiO <sub>2</sub> content based on ignited material	%	≥ 99.8
C content	%	3.0 - 4.0
Triboelectric charge*		negative
* Evonik method ** ex plant The data represents typical values (no product specification).		

### Registrations (substance or product components)

#### AEROSIL® RX 300

CAS-No.	68909-20-6
REACH (Europe)	exempted
TSCA (USA) DSL (Canada)	registered
ENCS (Japan) IECSC (China) KECI (Korea) PICCS (Philippines)	registered
AICS (Australia)	registered

AEROSIL® RX 300 is a hydrophobic fumed silica treated with HMDS. Which has a negative electrostatic charge and provides efficient free flow aid for toners and dry powders in general. This product is applied to reduce the moisture pick-up behaviour of dry powders. This product is also effective as a rheology controlling agent in complex liquid systems.

### Applications and properties

#### Applications

- Toner
- Paints and coatings
- Adhesives and sealants

#### Properties

- has a negative electrostatic charge and provides a high charge stability to toners and powder coatings
- enhances the durability of toner performances
- Efficient free flow aid for toners and dry powders in general
- can be applied in coatings systems as an anti-settling agent, for the stabilization of pigments and to enhance the effect of corrosion protection
- Effective rheology control in complex liquid systems

## 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 Operations, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) We recommend to read carefully the safety data sheet prior to the use of our product.

## Packaging and storage

AEROSIL® RX 300 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® RX 300 should be used within two years after production.

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