

# 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

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at [sds-hu@evonik.com](mailto:sds-hu@evonik.com) for specific questions. We recommend to read the safety data sheet carefully prior to use of the 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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