

AEROSIL® RY 300

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	110 - 140
pH value in 4% dispersion		4.5 - 5.5
Loss on drying** 2 hours at 105 °C	%	≤ 0.5
C content	%	6.0 - 8.5
Bulk density**	g/l	approx. 50
SiO ₂ content based on ignited material	%	≥ 99.8
Triboelectric charge*		negative
* Evonik method ** ex plant The data represents typical values (no product specification).		

Registrations (substance or product components)

AEROSIL® RY 300

CAS-No.	67762-90-7
REACH (Europe)	registered
TSCA (USA) DSL (Canada)	registered
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia) NZIoC (New Zealand)	registered

AEROSIL® RY 300 is a hydrophobic fumed silica aftertreated with polydimethylsiloxane with excellent thickening properties and negative electrostatic charge.

Applications and properties

Applications

- Adhesives and Sealants
- Silicone
- Defoamer
- Plastics, Constructions & Technical Powders
- Toner

Properties

- Negative electrostatic charge and provides a high charge stability to toners
- High-efficient free flow aid for toners and dry powders in general
- Very high PDMS content providing very high hydrophobicity and reduced moisture pick-up
- Effective rheology control in complex liquid systems
- Makes material particularly suitable when pronounced gelling power and high transparency required

Packaging and storage

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

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 We recommend to read carefully the safety data sheet prior to the use of our product.

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