

AEROSIL® RY 51

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	15 - 40
pH value** in 4% dispersion		4.5 - 8.5
Loss on drying** 2 hours at 105 °C	%	≤ 0.5
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 51

CAS-No.	67762-90-70
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
IECS (China)	registered
KECI (Korea)	registered
PICCS (Philippines)	registered

AEROSIL® RY 51 is a hydrophobic fumed silica treated with PDMS.

Applications and properties

Applications

- Toner

Properties

- has a negative tribo-charge and provides a high charge stability to toners
- is applied to reduce the moisture pick-up
- shows good spacer effect and lubricant function

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® RY 51 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® RY 51 should be used within two years after production.

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