

AEROSIL® NAX 50

Hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	30 - 50
pH value in 4% dispersion		5.5 - 7.5
Loss on drying** 2 hours at 105 °C	%	≤ 0.5
Bulk density	g/l	approx. 40
SiO ₂ content based on ignited material	%	≥ 99.8
C content	%	0.5 - 1.0
Triboelectric charge*		negative
* Evonik method ** ex plant The data represents typical values (no product specification).		

Registrations (substance or product components)

AEROSIL® NAX 50

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® NAX 50 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 enhancing durability of toners. It can improve mechanical strength with high loading in rubber application. It also achieves good thixotropic property without extreme viscosity increase.

Applications and properties

Applications

- Toner

Properties

- has a negative electrostatic charge and provides a high charge stability to toners
- is an efficient free flow aid for toners and dry powders in general
- enhances the durability of toner performance
- is applied to reduce the moisture pick-up

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.

Packaging and storage

AEROSIL® NAX 50 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® NAX 50 should be used within two years after production.

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