

AEROSIL® TT 600

Hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	150 - 250
pH value in 4% dispersion		3.6 - 4.5
Loss on drying* 2 hours at 105 °C	%	≤ 2.5
Tamped density*	g/l	approx. 60
Sieve residue (by Mocker, 45µm)	%	≤ 0.05
SiO ₂ content based on ignited material	%	≥ 99.8

* ex plant

The data represents typical values (no product specification)

Registrations (substance or product components)

AEROSIL® TT 600

CAS-No.	112 945-52-5 (ex 7631-86-9)
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® TT 600 is a fumed silica which is characterized by a particularly high degree of agglomeration. The combination of relatively high specific surface area coupled simultaneously with the larger primary structures produces a unique profile of properties, which is different from all other silicas in the portfolio. For instance, the product is recommended as a matting agent or anti-blocking additive with adsorption properties and high transparency.

Applications and properties

Properties

- Marked aggregate structure with high specific surface area
- Good transparency
- Great absorption properties
- High purity

Applications

- Highly transparent matting agents
- Hot foil stamps
- Highly transparent antiblocking agents
- Absorber silica for inks and additives

Packaging and storage

AEROSIL® TT 600 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® TT 600 should be used within 2 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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