

# AEROSIL® TT 600

## Hydrophilic fumed silica

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /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 <sub>2</sub> 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 that 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

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.

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