

AEROXIDE® TiO₂ T 805

Hydrophobic fumed titanium dioxide (TiO₂)

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	35 - 55
pH value in 4% dispersion		3.0 - 4.0
Loss on drying* 2 hours at 105°C	%	≤ 1.0
C content	%	2.7 - 3.7
Tamped density* modified	g/l	approx. 200
Fe ₂ O ₃ content based on ignited substance	%	≤ 0.010
TiO ₂ content based on ignited substance	%	≥ 97.0
SiO ₂ content based on ignited substance	%	≤ 2.500
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AEROXIDE® TiO₂ T 805

CAS-No.	100209-12-9 (ex 13463-67-7)
REACH (Europe)	registered
TSCA (USA) DSL (Canada)	registered
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia)	registered

AEROXIDE® TiO₂ T 805 is a fine-particulate, fumed titanium dioxide (TiO₂) that is highly hydrophobized with an organosilane.

Applications and properties

Properties

- High UV-B absorption
- High photostability
- Easy to disperse, especially in nonpolar liquids and fine-particulate solids

Applications

- Improves the flowability and stabilizes the electrostatic charging of toner powders for copiers and laser printers
- In polymer systems, the product can be used to increase the index of refraction

Packaging and storage

AEROXIDE® TiO₂ T 805 is supplied in multiple layer 20 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROXIDE® TiO₂ T 805 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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