

AEROXIDE® Alu C 805

Highly dispersed hydrophobic fumed aluminium oxide (Al₂O₃)

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	75 - 105
pH value in 4% dispersion		3.0 - 4.5
Loss on drying 2 hours at 105 °C	%	≤ 2.0
C content	%	3.5 - 4.5
Tamped density*	g/l	approx. 50
Al ₂ O ₃ content based on ignited material	%	≥ 95
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AEROXIDE® Alu C 805

CAS-No.	713508-70-4
REACH (Europe)	registered
TSCA (USA)	registered
ENCS (Japan) KECI (Korea) CSNN (Taiwan)	registered
AICS (Australia)	registered

AEROXIDE® Alu C 805 is a fine-particulate, fumed aluminium oxide (Al₂O₃) that is highly hydrophobized with an organosilane.

Applications and properties

Properties

- High specific surface area (BET)
- High chemical purity
- Hydrophobic surface

Applications

- In polymers to control dielectric properties and corona resistance
- In powder coatings to increase electrostatic charging and to improve flowability, especially in moisture-sensitive systems
- In toners to improve flow behavior
- In plastic powders (such as PVC) to prevent agglomeration and to protect the powder from moisture

Packaging and storage

AEROXIDE® Alu C 805 is supplied in multiple layer 10 kg paper bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROXIDE® Alu C 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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