

AEROXIDE® Alu 130

Highly dispersed fumed aluminium oxide

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	130 ± 20
Tamped density* acc. to DIN EN ISO 787/11, Oct. 1995	g/l	50
Loss on drying* 2 hours at 105 °C	wt. %	≤ 5.0
Ignition loss 2 hours at 1000 °C, based on material dried for 2 hours at 105 °C	wt. %	≤ 3.0
pH in 4% dispersion		4.4 - 5.4
Al ₂ O ₃ - content based on ignited material	wt. %	≥ 99.8
Sieve residue (by Mocker, 45 µm) acc. to DIN EN ISO 787/18, Oct. 1995	wt. %	≤ 0.050
* ex plant The data represents typical values (no product specification)		

Registration

AEROXIDE® Alu 130

CAS-No.	1344-28-1
REACH (Europe)	registered
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
IECS (China)	registered
KECI (Korea)	registered

AEROXIDE® Alu 130 is a fumed aluminium oxide developed according to the AEROSIL® process. Physico-chemical properties include a positive surface charge and a BET surface area of 130 m²/g suitable for a wide range of applications.

Applications and properties

Applications

- Photo ink-jet paper coatings:
 - high gloss, transparency and adsorption enhance color and printing capabilities
- Fluorescent lighting applications:
 - Selective UV reflector
 - Mercury barrier
 - Inorganic binder in the fluorescent coating
- Coatings:
 - Increase of electrostatic chargeability of powder coatings

Properties

- High BET surface area
- High chemical purity
- Positive surface charge / chargeability

Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Industries AG, Product Safety Department, E-MAIL sds-im@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the material safety data sheet prior to the use of our product.

Packaging and storage

AEROXIDE® Alu 130 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. AEROXIDE® Alu 130 should be used within 2 years after production.

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