

Product Information

▶ AEROXIDE[®] Alu C

Highly Dispersed Fumed Metal Oxide

AEROXIDE[®] Alu C is produced analogous to the AEROSIL[®]- process developed by Evonik. It is a very fine fumed metal oxide with a high specific surface area. Due to the electropositive chargeability, AEROXIDE[®] Alu C leads to specific properties in various applications.

Applications and Properties

In following applications AEROXIDE[®] Alu C shows special advantages:

- in **PET-films** as **antiblocking agent**
- in **flourescent tubes** and **light bulbs** as additive for a **homogenous light emission**, better **flowability** of the flourescent mix during the electrostatic coating
- in **powder coatings** to improve **chargeability**
- in **coatings of high quality ink-jet-paper** to provide **high gloss** and **excellent printing**.

Physico-chemical Data

Properties	Unit	Typical Value
Specific surface area (BET)	m ² /g	100 ± 15
Average primary particle size	nm	13
Tamped density* acc. to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 50
Moisture* 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		4.5 - 5.5
Al₂O₃- content based on ignited material	wt. %	≥ 99.8
Sieve residue (by Mocker 45 µm) acc. to DIN EN ISO 787/18, Apr. 1984	wt. %	≤ 0.050

* ex plant

The data represents typical values (no product specification)

Safety and Handling

With every sample or initial shipment of our products we will send a Material Safety Data Sheet. Of course, you can also request an MSDS or any other information regarding product safety at any time, or download it as a registered user at www.aerosil.com.

Packaging and Storage

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

Registration

AEROXIDE® Alu C					
CAS-No.	EINECS (Europe)	TSCA (USA), AICS (Australia), DSL (Canada)	ENCS (Japan)	ECL (Korea)	IECS (China)
1344-28-1	215-691-6	Registered	1-23	KE-01012	Registered

► For further information please contact:

Customer Service

Europe, Central- and Southamerica, Africa

Evonik Degussa GmbH
Inorganic Materials
Weissfrauenstrasse 9
D-60287 Frankfurt am Main,
Germany
Phone: +49 69/218-25 32
Fax: +49 69/218-6 25 32
E-Mail: aerosil@evonik.com
<http://www.aerosil.com>

NAFTA

Evonik Degussa Corporation
Inorganic Materials
379 Interpace Parkway,
P. O. Box 677
Parsippany, NJ 07054-0677
Phone: +1 (800) AEROSIL
Phone: +1 (973) 541-8510
Fax: +1 (973) 541-8501

Asia

NIPPON AEROSIL CO., LTD.
Sales & Marketing Division
P. O. Box 7015
Shinjuku Monolith 13F
3-1, Nishi-Shinjuku 2-chome
Shinjuku-ku, Tokyo
163-0913 Japan
Phone: +81-3-3342-1763
Fax: +81-3-3342-1772

Technical Service

Europe, Central- and Southamerica, Africa

Evonik Degussa GmbH
Inorganic Materials
Rodenbacher Chaussee 4
P. O. Box 1345
D-63403 Hanau-Wolfgang,
Germany
Phone: +49 61 81/59-39 36
Fax: +49 6181/59-40 96

NAFTA

Evonik Degussa Corporation
Inorganic Materials
2 Turner Place
Piscataway, NJ 08855-0365
Phone: +1 (888) SILICAS
Phone: +1 (732) 981-5000
Fax: +1 (732) 981-5275

Asia (without Japan)

Evonik Degussa China Co. Ltd.
Chundong Road,
Xinzhuang Industry Park 55
201108 Shanghai
China
Phone: +86 21/6119 1065
Fax: +86 21/6119 1075

Japan

NIPPON AEROSIL CO., LTD.
Applied Technology Service
3 Mita-cho
Yokkaichi, Mie
510-0841 Japan
Phone: +81-593-45-5270
Fax: +81-593-46-4657

Please visit our website www.aerosil.com to find your local contact.

This information and all further technical advice are based on Degussa's present knowledge and experience. However, Degussa assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Degussa disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. DEGUSSA SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Degussa reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.