

AEROSIL® OX 50

Hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	50 ± 15
Tamped density* acc. to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 130
Moisture* 2 hours at 105°C	wt. %	≤ 1.5
Ignition loss 2 hours at 1000°C based on material dried for 2 hours at 105°C	wt. %	≤ 1.0
pH in 4% Dispersion		3.8 - 4.8
SiO ₂ - content based on ignited material	wt. %	≥ 99.8
Sieve residue (by Mocker, 45µm) acc. to DIN EN ISO 787/18, Apr. 1984	wt. %	≤ 0.200
* ex plant The data represents typical values (no product specification).		

Registration

AEROSIL® OX 50

CAS-No.	112 945-52-5 (ex 7631-86-9)
REACH (Europe)	registered
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
IECS (China)	registered

AEROSIL® OX 50 is the fumed oxide of our portfolio with the smallest specific surface area. High chemical purity, distinct low thickening and agglomeration properties are typical characteristics.

Applications and properties

Applications

- PET-films
- Dental composites
- Raw material for production of ultra pure silica glass according to the sol-gel-process.

Properties

- Antiblocking for plastics
- Improves dielectrical properties
- Enables high filler loading
- Broad particle size distribution
- High tamped density
- Low tendencies to form agglomerates
- Low thickening properties
- High purity

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

AEROSIL® OX 50 is supplied in multiple layer 15 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® OX 50 should be used within 2 years after production.

This information and all technical and other advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights. Evonik reserves the right to make any changes to information or advice at any time, without prior or subsequent notice. EVONIK DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE), OR OTHERWISE. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. It is the customer's sole responsibility to arrange for inspection and testing of all products by qualified experts. Reference to trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used.

Customer Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Industries AG
Inorganic Materials
PB 010-A410
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59 12532
FAX +49 6181 59 712532
aerosil@evonik.com
www.aerosil.com

North America Evonik Corporation

Inorganic Materials
299 Jefferson Road
Parsippany, NJ 07054-0677
USA
PHONE +1 800-233-8052
FAX +1 973-929-8502
aerosil@evonik.com
www.aerosil.com

Asia (excluding Japan) Evonik (SEA) Pte. Ltd.

Inorganic Materials
3 International Business Park
Nordic European Centre, #07-18
Singapore 609927
PHONE +65 6809-6877
FAX +65 6809-6677
aerosil@evonik.com
www.aerosil.com

Japan NIPPON AEROSIL CO., LTD.

Marketing & Sales Division
P.O. Box 7015
Shinjuku Monolith 13F
3-1, Nishi-Shinjuku 2-chrome
Shinjuku-ku, Tokyo
163-0913 Japan
PHONE +81 3 3342-1789
FAX +81 3 3342-1761
infonac@evonik.com
www.aerosil.jp

Technical Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Industries AG
Inorganic Materials
HPC 911-221 A
Rodenbacher Chaussee 4
63403 Hanau-Wolfgang
Germany
PHONE +49 6181 59-3936
FAX +49 6181 59 4489
technical.service.aerosil@
evonik.com
www.aerosil.com

North America Evonik Corporation

Inorganic Materials
2 Turner Place
Piscataway, NJ 08855-0365
USA
PHONE +1 888 SILICAS
PHONE +1 732 981-5000
FAX +1 732 981-5275
technical.service.aerosil@
evonik.com
www.aerosil.com

Asia (excluding Japan) Evonik Specialty Chemicals (Shanghai) Co.,Ltd

Inorganic Materials
55 Chundong Road
Xinzhuang Industry Park
Shanghai 201108
P.R. China
PHONE +86 21 6119-1065
FAX +86 21 6119-1075
technical.service.aerosil@
evonik.com
www.aerosil.com

Japan NIPPON AEROSIL CO., LTD.

Applied Technology Group
3 Mita-Cho
Yokkaichi, Mie
510-0841 Japan
PHONE +81 59 345-5270
FAX +81 59 346-4657
infonac@evonik.com
www.aerosil.jp