

ACEMATT® OK 412 LC

Characteristic physico-chemical data*)

Properties and test methods	Unit	Value
Loss on drying 2 h at 105°C following ISO 787-2	%	≤ 6
pH value 5 % in water following ISO 787-9	-	6.3
Electrical conductivity 4 % in water following ISO 787-14	μS/cm	≤ 200
Sulfate content internal method	%	≤ 0.2
Particle size, d50 Laser diffraction following ISO 13320-1	μm	6.3
Carbon content elemental analyser LECO following ISO 3262-19	%	5.5
Specific surface area (N ₂) Multipoint following ISO 9277	m ² /g	130
DOA absorption internal method	ml/100g	260
SiO ₂ content ¹⁾ following ISO 3262-19	%	≥ 98
Package size (net)	kg	15

1) based on ignited substance
*) The given data are typical values. Specifications on request.

Registrations

ACEMATT® OK 412 LC

CAS-No.	112926-00-8 (ex 7631-86-9) 9002-88-4
EINECS (Europe)	registered
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
KECI (Korea)	registered
ENCS (Japan)	registered
PICCS (Philippines)	registered
IECS (China)	registered
NZIoC (New Zealand)	registered

ACEMATT® Matting agents are high performance silica developed for a variety of applications in Paints & Coatings.

Properties and applications

ACEMATT® OK 412 LC is a fine-grained wax after-treated precipitated silica, which is mainly used as a high-purity filler for e-coats due to its outstanding suspension behaviour and low electrical conductivity.

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. We recommend to read carefully the material safety data sheet prior to the use of our product.

Packaging and storage

Our products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend to store the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

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