

AERODISP® W 925

Aqueous dispersion of a high surface area aluminum oxide

Characteristic physico-chemical data

Properties and test methods	Unit	Value
pH value		3.0 - 5.0
Density 20 °C		1.20
Al ₂ O ₃ content	%	24 - 26
Average primary particle size	nm	approx. 11.0
Mean aggregate size d-50 value	µm	approx. 0.11
Viscosity measured at a shear rate of 100 s ⁻¹	mPas	≤ 1000

The data represents typical values (no product specification).

Registrations (substance or product components)

AERODISP® W 925

CAS-No.*	1344-28-1
EINECS (Europe), TSCA (USA), DSL (Canada), AICS (Australia), ENCS (Japan), IECSC (China), KECI (Korea)	All components of this dispersion are registered in the mentioned inventories.

AERODISP® W 925 is a dispersion based on AEROXIDE® Alu 130, Evonik's highest surface area fumed aluminum oxide. It is stabilized at a pH value of 4. Many applications can utilize the positive surface charge of the particles in this pH range.

Applications and properties

Applications

- **Inkjet paper coatings**
 - High gloss
 - High color gamuts and printing performance
 - Rapid ink adsorption
 - Water-fastness
- **Fluorescent lighting applications**
 - Selective UV reflector
 - Mercury barrier
 - Anorganic binder in the fluorescent coating

The combination of these functions is conducive to durable and environmentally friendly bulbs.
- **Other applications include**
 - Ceramics
 - Nanocomposites

Properties

- Positively charged particles
- High surface area (approx. 135 g/m²)
- Easy to handle

Appearance

- AERODISP® W 925 is a liquid with low viscosity and a milky-white appearance

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.

Packaging and storage

Depending on the region, AERODISP® W 925 is available in 60 kg containers, 220 kg drums, 1000 and 1200 kg intermediate bulk containers (IBC's). All dispersions must be protected from extreme heat and frost. The product should be used within 18 months from the date of production. Small amounts of sedimentation are normal.

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