

AERODISP® WK 7330

Characteristic physico-chemical data

Properties and test methods	Unit	Value
pH value		2.5 - 4.0
Density 20 °C	g/cm ³	1.20
Mean aggregate size d-50 value, volume	µm	0.12
Viscosity measured at a shear rate of 100 s ⁻¹ , 23 °C	mPa s	≤ 1000
Inorganic solids content	%	29 - 31
Zetapotential (surface charge) DT-1200, CVI-method, at pH 3.0	mV	≥ 20
The data represents typical values (no product specification).		

Registrations (substance or product components)

AERODISP® WK 7330

CAS-No.*	112 945-52-5 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.

Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at sds-hu@evonik.com for specific questions. We recommend to read the safety data sheet carefully prior to use of the product.

Aqueous dispersion of a fumed silica and a fumed mixed oxide with a high solids content and a positive zetapotential.

Applications and properties

Applications

- Sizing / coating pigment for inkjet paper* to enhance
 - Color strength (gamut and optical density)
 - Print uniformity (mottle & grain)
 - Print resolution (line growth, raggedness & blur)
 - Water fastness
 - Coefficient of friction
- Modification of electrophoretically deposited metal layers
- Anti-slip effect in textile fibers
- Flocculation aid for anionic systems

Properties

- Positively charged solid particles
- High solids content (approx. 30%)
- Nano-sized primary particles
- Superior rheological behavior
- High formulation flexibility and ease of handling

** For use in paper coating formulations with specific binder systems, we recommend to age the product for four weeks (from date of manufacture). The date of manufacture can be found in the batch number (xxxYMMDDxx)*

Packaging and storage

Depending on the region, AERODISP® WK 7330 is available in 60 kg cans, 220 kg drums and 1000 kg intermediate bulk containers (IBC's). All dispersions must be protected from extreme heat and frost. The product should be used within twelve months from the date of production. Small amounts of sedimentation are normal.

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