

AERODISP® W 1824

Aqueous dispersion of hydrophilic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
pH value		5.0 - 6.0
Density 20 °C	g/cm ³	1.15
SiO ₂ content	%	23 - 25
Mean aggregate size d-50 value	µm	0.20
Viscosity	mPa s	≤ 150
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AERODISP® W 1824

CAS-No.*	112 945-52-5 1344-28-1
EINECS (Europe), TSCA (USA), DSL (Canada), AICS (Australia), ENCS (Japan), IECS (China), KECI (Korea), PICCS (Phillippines)	All components of this dispersion are registered in the mentioned inventories.

AERODISP® W 1824 is a low thickening, water-based AEROSIL® dispersion with a solids content of 24 %.

Applications and properties

Applications

- Thermal stabilization at glass fibre
- Adhesion promotion in self adhesive labels
- Use in fireprotection as heat stabilizer
- Use in textile industry as anti-slip and for improved tear resistance
- Matting agent for photopaper
- Anti-slip improvement of packaging paper
- Improving strength of moulding compounds in casting technology

Properties

- Low thickening effect
- Low viscosity
- Odorless

Appearance

- AERODISP® W 1824 is a milky-white liquid

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 Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.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 1824 is available in 60 kg containers, 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 six month from the date of production. Small amounts of sedimentation are normal.

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