

AERODISP® W 740 X

Aqueous dispersion of hydrophilic fumed titanium dioxide (TiO₂)

Characteristic physico-chemical data

Properties and test methods	Unit	Value
TiO ₂ content based on ignited material	%	39 - 41
Viscosity measured at a shear rate of 100 s ⁻¹	mPa s	≤ 30
pH value		5.0 - 7.0
Density 20 °C	g/cm ³	1.41
Particle size (d50) Static light scattering	nm	70

The data represents typical values (no product specification)

Registrations (substance or product components)

AERODISP® W 740 X

CAS-No.*	13463-67-7
EINECS (Europe)	registered
ENCS (Japan) IECSC (China) CSNN (Taiwan) PICCS (Philippines)	registered
NZIoC (New Zealand)	registered

*CAS-No. refers to the main inorganic substance used

AERODISP® W 740 X is an aqueous dispersion of titanium dioxide with a very high solid content and weakly acidic pH value. The dispersion appears milky white.

Applications and properties

Properties

- Very high solid content (40 %)
- Very high (photo)catalytic activity when irradiated with UV light
- Good transparency in thin layers
- High chemical purity
- Outstanding rheological properties
- Easy handling
- Can be added simply to water-based formulations

Applications

- Catalyst and catalyst substrate
- Photocatalyst
- Ceramic bonding agent and raw material / additive for the formulation of ceramics

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 740 X is available in 60 kg containers, 220 kg drums and 1250 kg intermediate bulk containers (IBC's). All dispersions must be protected from extreme heat and frost. The product should be used within 24 months from the date of production. Small amounts of sedimentation are normal.

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