

DeuRheo WT-102

Waterborne Rheological Additive

GENERAL INFORMATION

DeuRheo WT-102 is a waterborne associative thickener based on polyurethane. It provides higher viscosity at low shear rate.

CHEMICAL & PHYSICAL PROPERTIES

Composition	polyether polyurethane
Appearance	yellow to slight hazy liquid
Non-volatile content	49.5 - 51.5 %
Solvent	ethylene glycol monobutyl ether / water
Specific gravity	ca. 1.04
Dynamic viscosity	2,000 - 10,000 cP (25 °C)

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Adhesives
- Textile printings

KEY PROPERTIES

- To provide high viscosity at low shear rate and higher thixotropy.
- Less effect on water resistance and gloss.
- Better scrub resistance.
- Thickening behaviour is not affected by pH value.
- Excellent resistance to bacterial degradation.

INCORPORATION

A combination of **DeuRheo WT-102** with other rheology modifier can provide good rheology.

When the viscosity of **DeuRheo WT-102** is too high, it can be pre-diluted with co-solvent, such as ethylene glycol monobutyl ether (BCS).

Formulate thinner DeuRheo WT-102 with co-solvent (1/1 - 1/2 by weight).

LEVELS OF USE

0.1 - 2.0 % based on total formulation.

HEALTH AND SAFETY

As it contains solvents, the product requires special care in handling.

Avoid any eye and skin contact.

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Keep away from sources of ignition and heat, as well as container tightly closed in a dry and well-ventilated place.

Stored between 20 °C to 40 °C.

When below 20 °C the appearance may become gel or seeding, please heat (water bath) to clear then stir to uniform.

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SHELF LIFE

DeuRheo WT-102 has a shelf life of 18 months from date of manufacture

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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