

TEGO® Dispers 670

DESCRIPTION

TEGO® Dispers 670 is a polymeric, high-performance wetting and dispersing additive for solventborne industrial and automotive applications. Suitable for all kinds of pigments. Shows outstanding viscosity reduction, especially with inorganic pigments. Shows fast pigment wetting. Creates a Newtonian flow behavior.

KEY BENEFITS

- viscosity reduction with inorganic pigments
- fast color strength development
- newtonian flow behavior

EFFECT

Viscosity reduction with organic pigments/carbon blacks



Color intensity/gloss with organic pigments/carbon blacks



Viscosity reduction with inorganic pigments/fillers



Color intensity/gloss with inorganic pigments/fillers



SUITABILITY

waterborne



solventborne



2-pack 100%



radiation-curing



direct grind



resin-containing pigment concentrates



resin-free pigment concentrates



universal pastes



● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Pigment concentrates
- General industrial coatings
- Transportation coatings
- Inkjet Inks

TECHNICAL DATA

acid value (as supplied)	Approx. 5 mg KOH/g
active matter content	Approx. 40 %
amine value (as supplied)	Approx. 15 mg KOH/g
appearance	clear to slightly hazy liquid (product properties are not affected by haziness)
chemical description	solution of a high molecular weight polymer
solvent	dibasic ester, aromatic-free / methoxypropylacetate 1 : 1
viscosity at 25 °C	Approx. 120 mPas

SOLUBILITY

Water	Ethanol
●	●
TPGDA	Butylacetate
●	●
Mineral Spirits	
●	

● not soluble ● partly soluble ● suitable

RECOMMENDED ADDITION LEVEL

As supplied calculated on inorganic pigment: 5.0 - 40.0 %
 As supplied calculated on organic pigment: 15.0 - 40.0 %
 As supplied calculated on carbon black: 40.0 - 90.0 %
 Recommended addition level for co-grind: 0.5 - 3.0 %

PROCESSING INSTRUCTIONS

- Add to the grind before dispersion.
- Haziness caused by low temperatures can be eliminated by warming the product. This does not affect the performance properties of the product.

HANDLING & STORAGE

- When stored in an original unopened packaging, the product has a shelf life of 48 months from the date of manufacture.
- At low temperatures, reversible turbidity can occur.
- Keep away from freezing.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com