

# TEGO® Dispers 690

## DESCRIPTION

TEGO® Dispers 690 is a polymeric highly efficient wetting and dispersing additive for solventborne formulations. Especially suitable for solventborne flexo inks, even NC-free inks. Wets and stabilizes organic pigments and carbon blacks. Listed on the A-list of Swiss Ordinance 817.023.21, Annex 6.

## KEY BENEFITS

- stabilizes pigments in solventborne flexo inks
- ensures high pigment loadings at low viscosity
- compliant with Swiss Ordinance A

## 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	
●	

● not suitable ● partly suitable ● suitable

## TYPICAL APPLICATIONS

- Printing Inks
- High solid industrial coatings
- Pigment concentrates

## TECHNICAL DATA

acid value (as supplied)	Approx. 40 mg KOH/g
active matter content	100 %
amine value (as supplied)	Approx. 60 mg KOH/g
appearance	clear to hazy liquid
chemical description	high molecular weight polymer
viscosity at 25 °C	Approx. 35,000 mPas

## SOLUBILITY

Water	Ethanol
●	●
TPGDA	Butylacetate
●	●
Mineral Spirits	
●	

● not soluble ● partly soluble ● soluble

## RECOMMENDED ADDITION LEVEL

As supplied calculated ongrind, in addition to grinding resin: 2.0 - 10.0 %

## PROCESSING INSTRUCTIONS

Add to the grind before dispersion.

## HANDLING & STORAGE

- When stored in an original unopened packaging, the product has a shelf life of 60 months from the date of manufacture.
- Solidification may occur at temperatures below 10°C; product becomes liquid again after warming. Product properties are not affected by this process.

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](http://www.coating-additives.com)