

TEGO® Dispers 685

pigment-wetting and dispersing additive

Effects

	0	1	2	3	4	5
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	■					

0 = unsuitable...5 = highly suitable

Special features

Widely applicable wetting and dispersing additive especially for organic pigments and mixed pigmentations. Equally suitable for radiation-curing and solventborne high-solids formulations.

Suitability for

waterborne	solventborne
○	●
2-pack 100 %	radiation-curing
○	●
direct grind	resin-based pigment concentrates
●	●
resin-free pigment concentrates	universal pastes
⦿	○

● = suitable ... ○ = not suitable

Solubility in

water	ethanol
○	○
TPGDA	butyl acetate
●	●
white spirit	
○	

● = clear soluble, ⦿ = cloudy but stable, ○ = insoluble

Recommended addition level

As supplied calculated on inorganic pigment: 2 - 15 %

As supplied calculated on organic pigment: 5 - 15 %

As supplied calculated on carbon black: 15 - 40 %

Recommended addition level for co-grind: 0.1 - 3.0 %

Processing instructions

- Addition under stirring to monomer, monomer/oligomer blend or solvent.
- Add to the grind before dispersion.

Formulation advices

Alternative for stronger reduction of viscosity with inorganic pigments: TEGO® Dispers 670

Chemical description

high molecular weight polymer

Technical information

- appearance clear to hazy liquid
- active matter content 100 %
- viscosity at 25 °C approx. 85000 mPa s

Suitability for food contact

The additives/monomers/solvents of TEGO® Dispers 685 are listed on the B lists of the Swiss Ordinance 817.023.21, Annex 6.

Registration status

TEGO® Dispers 685 respectively its ingredients are listed in the following chemical inventories: AICS, ECL, EINECS, NDSL, PICCS, TSCA, NZIOC, TCSI.

All intentional ingredients are listed on the TSCA inventory or comply with the TSCA Polymer Exemption criteria according 40 CFR 723.

All intentional ingredients are listed on the ECL inventory or comply with the Polymer Exemption criteria.

All intentional ingredients are listed on the PICCS inventory or comply with the Polymer Exemption criteria.

Packaging

- steel drum with cover 25 kg
- steel drum with cover 200 kg

Storage stability

When stored in an original unopened packaging between -40 and +40 °C, the product has a shelf life of at least 24 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.

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