

TEGO® Dispers 685

DESCRIPTION

TEGO® Dispers 685 is a high polymeric wetting and dispersing additive for radiation-curing and solventborne formulations. Stabilizes all kinds of pigments, especially organic pigments and carbon blacks. 100% active and liquid, therefore suitable for 100% solids and high solids formulations.

KEY BENEFITS

- recommended for UV printing inks
- outstanding performance even with critical organic pigments
- 100% active and liquid

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

- Printing Inks
- Wood coatings
- High solid industrial coatings

TECHNICAL DATA

acid value (as supplied)	Approx. 35 mg KOH/g
active matter content	100 %
amine value (as supplied)	Approx. 50 mg KOH/g
appearance	clear to hazy liquid
chemical description	high molecular weight polymer
viscosity at 25 °C	Approx. 85,000 mPas

SOLUBILITY

Water	Ethanol
●	●
TPGDA	Butylacetate
●	●
Mineral Spirits	
●	

● not soluble ● partly soluble ● soluble

RECOMMENDED ADDITION LEVEL

As supplied calculated on inorganic pigment: 2.0 - 15.0 %
 As supplied calculated on organic pigment: 5.0 - 15.0 %
 As supplied calculated on carbon black: 15.0 - 40.0 %
 Recommended addition level for co-grind: 0.1 - 3.0 %

PROCESSING INSTRUCTIONS

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

HANDLING & STORAGE

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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