

Wetting and dispersing additive

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 ● soluble

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.

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. Turbidity may occur at temperatures below 10 °C, product becomes liquid again after warming. Product properties are not affected by this process.

MSDS & REGULATORY INFORMATION



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