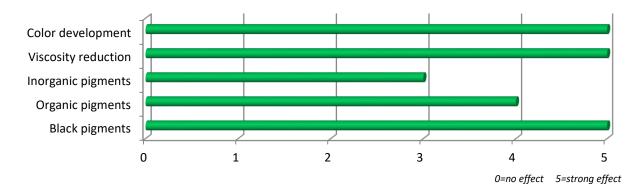


UNIQ[®]SPERSE P-178

Wetting and dispersing additive for Plastic applications



UNIC[®]**SPERSE P-178** is a solvent-free wetting and dispersing additive, very suitable for solvent-borne and solvent-free adhesives, PVC plastisols, ambient curing resin systems, and for the production of color master batches for thermoplastics. It's suitable for organic pigments, particularly recommended for carbon black.

Special Features

- Solvent-borne and solve-free applications
- Wetting and dispersing agent for organic pigments, especially for carbon black
- Reduce the viscosity
- increase the pigment loading
- High gloss
- Good transparency for transparent pigments and good hiding power for opaque pigments

highly recommended ■ recommended □

Product Specification

Active ingredients
Density 20°C
Amine value
Color
Appearance

100 % 0.94 g/cm³ 178 mg KOH/g Max.3 Brownish clear liquid

Addition levels

Amount of solid additive based on pigment (SOP):

٠	Titanium dioxides:	1 - 3%
٠	Inorganic pigments:	5 - 10%

- Organic pigments: 10 25%
- Carbon black: 15 50%

The above recommended levels can be used for orientation and needs to be optimized by testing.

Packaging

- 25 kg
- 180 kg

Shelf life

conditions, all the above mentioned statements have to be adjusted to the circumstances of the process

No liabilities, including those for patent rights, can be derived from this fact for individual cases

LNIQ[®]**SPERSE P-178** should be stored in a cool dry place. At low temperature it may solidity, and return to flow ability after heating, no effect to use. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture.

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UNIQ[®]FOAM, UNIQ[®]FLOW, UNIQ[®]WET, UNIQ[®]SPERSE, UNIQ[®]LIGHT, UNIQ[®]COLOR, UNIQ[®]MICA, UNIQ[®]CURE, UNIQ[®]JET This information is given to the best of our knowledge. Because of the multitude of formulations, production and application