BYKJET-9152

Solvent-free wetting and dispersing additive for dispersing and stabilizing organic pigments and carbon blacks in solvent-borne, aqueous and UV-curable inkjet inks.

Product data

Composition
Copolymer with pigment-affinic groups

Typical properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.12 g/ml
Non-volatile matter (30 min, 150 °C):	99 %
Acid value:	6 mg KOH/g
Amine value:	19 mg KOH/g

Storage and transportation
To be stored and transported above 5 °C. The product may solidify below 5 °C.

Applications

Inkjet inks

Special features and benefits
BYKJET-9152 is a high molecular-weight wetting and dispersing additive with a highly deflocculating effect that uses steric hindrance to prevent the reflocculation of pigments. BYKJET-9152 therefore improves the optical properties of pigment-based inkjet inks (color strength, gloss, haze, transparency). The viscosity of the pigment concentrates and the finished inks is reduced and thixotropy is prevented. Good long-term stability is also achieved. The product produces an even particle size distribution in pigment dispersions, thereby significantly reducing the filtration time. BYKJET-9152 can be used in all types of aqueous, solvent-borne, and UV-curable inkjet inks. It stabilizes most pigments commonly used in inkjet products.

Recommended use

Aqueous inkjet inks	■
Strong-solvent inkjet inks	■
Eco-solvent inkjet inks	■
UV-curable inkjet inks	■

■ especially recommended □ recommended

Recommended levels

20–70 % additive (as supplied) based on organic pigments.
30–100 % additive (as supplied) based on carbon black.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

Wetting and dispersing additives should generally be added to the millbase. This is the only way in which they can be fully effective. Pre-mix the resin and solvent components of the millbase and then gradually pour in the additive while stirring. Add the pigments only after the additive has been thoroughly dispersed.

Your local contact

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