BYKJET-9132

High molecular weight wetting and dispersing additive for solvent-borne inkjet inks. Particularly recommended for magenta, cyan and yellow pigments.

Product Data

Composition
Solution of polymethacrylate

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

Amine value:	28 mg KOH/g
Acid value:	6 mg KOH/g
Density (20 °C):	1.01 g/ml
Non-volatile matter (10 min., 150 °C):	40 %
Solvents:	Methoxypropylacetate/butylglycol 1/1
Flash point:	49 °C

Applications

Inkjet Inks

Special Features and Benefits
High molecular weight wetting and dispersing additive for solvent-borne inkjet inks. The additive improves pigment wetting and, thanks to its outstanding steric stabilization of the pigments, it also improves the optical properties of the systems (color strength, gloss, haze, transparency). The viscosity of the pigment concentrates and the finished inkjet inks is reduced and thixotropy prevented. Long-term stability without viscosity change is achieved. BYKJET-9132 also generates a uniform electrical charge across the pigment particles, thereby preventing possible co-flocculation of particles that are not equally charged. The excellent deflocculation causes a very small particle size and a narrow particle size distribution, which achieves short filtration times.

Recommended Use
BYKJET-9132 is suitable for all solvent-borne inkjet inks. It stabilizes the majority of standard pigments used in inkjet inks and is particularly recommended for magenta, cyan and yellow pigments.

Recommended Levels

75-140 % additive (as supplied) based on organic pigments.
120-180 % additive (as supplied) based on carbon black pigments.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

Wetting and dispersing additives should generally be added to the millbase. Only in this way can they be fully effective. Pre-mix the resin and solvent components of the millbase and then gradually let the additive flow in whilst stirring. Only add the pigments when the additive has been thoroughly distributed.

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