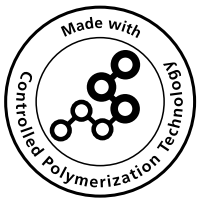
BYKJET-9170

High molecular weight wetting and dispersing additive for aqueous inkjet inks.
Suitable for all pigment types.

Product Data



Composition
Solution of a structured copolymer with pigment-affinic groups

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

Amine value:	7 mg KOH/g
Acid value:	7 mg KOH/g
Density (68 °F):	8.81 lbs/US gal
Non-volatile matter (20 min., 302 °F):	40 %
Solvents:	Water
pH value:	7.4

Food Contact Legal Status
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

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. The excellent deflocculation causes a very small particle size and a narrow particle size distribution, which achieves short filtration times.

Recommended Use
BYKJET-9170 is suitable for all aqueous inkjet inks. It stabilizes the majority of the pigments that are usually used in inkjet inks.

Recommended Levels

60-125 % additive (as supplied) based on organic pigments.
90-160 % 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. If the grinds contain binder, gradually let the additive flow into the grinding resin co-solvent blend or the shear-stable emulsion. In the case of binder-free grinds, simply mix the additive with the water. Only add the pigments when the additive has been thoroughly distributed.

Additive Guide

BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com/additives