

INKJET DYE, MILLBASE

PAPICEL

Dyes for water-based inkjet printer inks
The colour solution for inkjet ink applications that requires intensity,
a wide range of colour gamut.



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

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PAPICEL IJ

The colour solution for aqueous-soluble inkjet ink

- Very low salt content (chloride, sulfate, magnesium, calcium and iron etc)
- Brilliant and vibrant colours
- Excellent light fastness
- High purity
- High surface tension
- Excellent tinctorial strength

Fastness Properties

Papicel IJ	Shade	L* a* b*	pH	Dye Content	Iron	Light	Ozone
				%	mg/l	ISO 105-B02	ISO 105-G03
Yellow IJ-EWX		80.52/20.12/99.12	7.5-8.5	14	<5	4-5	3-4
Yellow IJ-BSE		82.69/11.26/100.90	8.5-9.5	8	<5	4-5	4-5
Yellow IJ-DRL		81.19/11.09/93.61	7.0-8.5	7	<5	6-7	4
Red IJ-OE		36.41/62.41/-16.50	7.5-8.5	10	<5	2	1
Red IJ-F3BN		38.68/60.40/12.51	7.0-8.0	15	<5	4	3-4
Red IJ-5BF		41.04/66.58/6.39	7.5-8.5	13	<5	4-5	3
Red IJ-L3K		36.93/52.18/6.42	2.5-4.5	13	<5	6	3-4
Red IJ-T3B		41.21/62.77/18.03	7.0-9.0	15	<5	4-5	2-3
Blue IJ-LA		43.67/-22.01/-47.90	6.5-7.5	13	<5	3	2-3
Blue IJ-DFB		49.86/-30.34/-46.96	6.5-8.5	13	<5	7	2-3
Black IJ-DBS		19.05/0.00/-3.00	8.5-9.5	10	<5	6	3
Black IJ-EXP		16.66/0.17/-1.02	8.5-9.5	25	<5	3-4	4-5
Black IJ-3AL		16.90/0.98/-2.42	6.5-8.5	14	<5	6	1
Black IJ-BTR		17.82/0.46/-2.96	3.0-5.0	32	<5	5	4

The following data represents results of internal test performed with the specified ink and fabric. Results in actual end use may vary depending on the particular conditions of use.

PAPICEL MBb & MBb-TD

Papicel MBb and MBb-TD inkjet dyes are designed to make aqueous nano-dispersed inks, especially for inkjet printing on large size plotter using piezo printing heads.

You can make any colour combinations by mixing colours within the range to produce wide colour gamut. Black MBb-DBK can achieve ultra deep black inks. And Fluorescent Yellow MBb-TGR is developed to display neon yellow colour, and it is patented under KISCO.

Features of formulated inks with Papicel MBb & MBb-TD

- Excellent printability with bright and vivid colours
- High productivity with good filtration
- Long periods of shelf-life
- High fastness properties
- Can be applied to apparel, automotive, outdoor wear, home furnishing fabrics, and sports equipment such as skis, snowboards, skateboards, and windsurfs

PAPICEL MBb

The colour solution for dye sublimation ink

Yellow MBb-TGS	Orange MBb-TXR	Magenta MBb-TRS	Cyan MBb-TRN	Blue MBb-TGN	Black MBb-T3G	Black MBb-DBK	Fluorescent Yellow MBb-TGR	Fluorescent Red MBb-T5B
Parameter		pH	Dye Content %	Viscosity mPas	Surface tension mN/m	Particle Size Mean Max		Conductivity mS/m
Value		5-9	14.5±0.5	<10.0	40-50	<0.15 <1.0		<1.0

*Fluorescent Red MBb-T5B : <3.0 (Conductivity)

PAPICEL MBb-TD

The colour solution for digital textile disperse ink (Direct printing)

Yellow MBb-TDY	Orange MBb-TDO	Magenta MBb-TDM	Red MBb-TDR	Cyan MBb-TDC	Blue MBb-TDB	Black MBb-TDK		
Parameter		pH	Dye Content %	Viscosity mPas	Surface tension mN/m	Particle Size Mean Max		Conductivity mS/m
Value		3-9	14.5±0.5	<10.0	40 ~ 50	<0.15 <1.0		<1.0

*Yellow MBb-TDY : <20.0 (Conductivity)