

Type of Ink	Reactive dye ink	Advantages	Wider color field, High fastness, High coloring efficiency	
Target fabric	Cotton, Linen, Silk			
Major application	General clothing, Miscellaneous goods			
Processing temperature	104°C×10 min. (H.T.Steamer) → Soaping	Viscosity range		
Precoating on fabrics is needed.		Low	Middle	High

COLOR LINEUP



Fastness

Color	Light fastness	Chlorine fastness	Washing	Dry cleaning	Water	Perspiration
CYAN	6	4	4.5	4.5	4.5	4.5
M-MAGENTA	6	4.5	4.5	4.5	4.5	4.5
YELLOW	>6	4.5	4.5	4.5	4.5	4.5
K-BLACK	>6	4.5	4.5	4.5	4.5	4.5
L-BLACK	4.5	4	4.5	4.5	4.5	4.5
N-L.BLACK	4.5	3.5	4.5	4.5	4.5	4.5
MAGENTA	6	4	4.5	4.5	4.5	4.5
M-L.MAGENTA	5.5	4.5	4.5	4.5	4.5	4.5
L.CYAN	5	3.5	4.5	4.5	4.5	4.5
ORANGE	5.5	4	4.5	4.5	4.5	4.5
BLUE	>6	3.5	4.5	4.5	4.5	4.5

Test Method

Testing fabric : Cotton 100%

Printing condition: 720 x 720 dpi, 8pass, uni direction, 100% output

Dyeing condition : Pre-drying 110°C× 1min-H.T.Steamer(104°C×10min.)- Soaping (90°C×10 min.) -

Washing -Drying

Light fastness : JIS L 0842 (100h exposure),

Chlorine fastness : JIS L 0884 (D method 100ppm)

Wash fastness: JIS L 0844(A-4),

Dry cleaning fastness : JIS L 0860(tetrachloroethylene, Water fastness : JIS L 0846,

Perspiration fastness : JIS L 0848 (Alkali)

KIWA-JET

KR Series

Type of Ink	Reactive dye ink	Advantages	Wider color field, High fastness, High coloring efficiency	
Target fabric	Cotton, Linen, Silk			
Major application	General clothing, Miscellaneous goods			
Processing temperature	104°C×10 min. (H.T.Steamer) → Soaping	Viscosity range		
Precoating on fabrics is needed.		Low	Middle	High

COLOR LINEUP



Fastness

Color	Light fastness	Chlorine fastness	Washing	Dry cleaning	Water	Perspiration
CYAN	5.5	3.5	5	5	5	5
MAGENTA-2	5.5	4.5	5	5	5	5
YELLOW	6	4	4.5	4	4.5	4.5
BLACK-3	5	4	5	5	5	5
GREY	4.5	3.5	5	5	5	5
ORANGE-2	6	4.5	5	5	5	5
BLUE-2	4	4.5	5	5	5	4.5

Test Method

Testing fabric : Cotton 100%

condition:15%o.w.p.(Traditional printing)

Dyeing condition : Pre-drying 110°C× 1min-H.T.Steamer(104°C×10min.)- Washing-Soaping (90°C×10 min.) – Washing –Drying

Printing

Light fastness : JIS L 0842 (20h exposure),

Chlorine fastness : JIS L 0884 (D method 100ppm)

Wash fastness: JIS L 0844(A-4),

Dry cleaning fastness : JIS L 0860(tetrachloroethylene), Water fastness : JIS L 0846,

Perspiration fastness : JIS L 0848 (Alkali)

Notice: Please note that the above test was carried out under our condition and the result will change greatly depending on the customer's conditions (type of clothes, transfer papers, etc.).