



ITOLEVELLING
Dyes On Nylon

MAGNACOLOURS[®]
IMAGINATION INK[®]

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ITOLEVELLING dyes are traditional acid levelling dyes and are used for improved level dyeing on wool or nylon, ideal for level pale shades or when brilliance of shade is required.

ITOLEVELLING DYEING METHOD

- Recipe:** x% Dye
0.5g/l ITOQUEST LJ3-12
Acetic Acid to give pH 4.5-6
0.5-3% Itoleveller WOPA
- Method:** Heat to 40°C.
Add Acetic acid to give desired pH, run for 10 minutes.
Add chemicals, run for 10 minutes.
Add dyes, run for 10 minutes.
Heat at 2°C/min to 100°C.
Run for 40 to 60 minutes.
Cool at 2°C/min to 60°C.
Drop liquor and rinse.

After Treatment:

Wet fastness of shades can be improved by after treating with ITOFIX NYGM. ITOFIX NYGM can be used in the dyebath for one bath method or as an after treatment to improve fastness.

FASTNESS TEST METHODS

The fastness properties were tested at 1/1 standard depths. The fastness is given for untreated nylon.

Light Fastness	ISO 105-B02
Wash Fastness	ISO 105-C02
Perspiration Fastness	ISO 105-E02
Water Fastness	ISO 105-E01

SYMBOLS USED IN FASTNESS COLUMNS

CS Change of shade

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ITOLEVELLING		Fastness Properties				
		Sol	Light	Wash 50°C	Alk Persp	Water
Dyed at 1%		90°C	1/1	CS	CS	CS
Yellow 8GX Yellow 184		100	2	4/5	4	3
Yellow NFG 200% Yellow 049		30	6	4/5	4	4
Yellow 4RK 250% Yellow 219		70	7	4	4	4/5
Yellow A4R 160% Yellow 199		30	5	4/5	4	4
Yellow 3R 200% Yellow 241		50	5	4/5	4	4
Rhodamine B 400% Red 052		90	1	4/5	4	3/4
Pink BRLF Red 418		60	6/7	4/5	4	4
Red FRL 200% Red 337		40	7	4	3/4	3/4
Red A2B 200% Red 266		25	6/7	4	4	4/5
Red K2BLL Red 361		50	6	3/4	4/5	3/4
Red 3B 250% Red 057		50	6/7	5	4/5	4/5
Red NK 200% Red 257		70	4/5	3/4	4	4
Blue R 200% Blue 062		30	7	3/4	3/4	3/4
Blue NBRL 200% Blue 324		30	7	3/4	3/4	3
Blue 4R 200% Blue 277		100	6	4/5	4/5	4/5
Blue AGL 300% Blue 025		25	5/6	3	3	3
Blue N2G Blue 040		70	4/5	4/5	4	4
Blue 6B 450% Blue 083		50	5	4/5	4/5	4/5

WOOL & NYLON DYE RANGES



Range	Features
ITOACID	Disulphonated premetalised blacks .
ITOLEVELLING	Acid levelling dyes where levelness and penetration is important. Also contain fluorescent dyes.
ITOMILLING	Milling dyes for use for brighter shades with overall good fastness.
ITOMILLING MF	Metal free milling dyes.
ITOLAN	Premetalised dyes where excellent wet and light fastness is required.
ITOSET	Synergistic range offering a compact compatible range for wool and nylon. Ideal for Wool/Nylon blends giving on tone balance in blends .
ITOWOL	Wool Reactive dyes for the brightest shades with the highest wet fastness.
ITOCHROME	Mordant dyes for high fastness, also give the best coverage on skittery wools.

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