



ITOSET
Dyes On Wool

MAGNACOLOURS[®]
IMAGINATION INK[®]

ITOSET

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ITOSET Dyes are a synergistic range, compact and compatible they are suitable for both wool and nylon substrates. ITOSET Dyes are perfectly suited for wool/nylon blends as the range gives excellent on tone balance.

ITOSET DYEING METHOD

Exhaust

Recipe:

x% Dye
0.5g/l ITOQUEST LJ3-12
Acetic Acid to give pH 4-6
0.5-3% ITOWOL SET
3% ITOBLOCKER PAS
(wo/pa blends only)

Method:

Heat to 40°C.
Add Acetic acid to give pH 5, 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.

FASTNESS TEST METHODS

The fastness properties were tested at 1/1 standard depths.

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

C	Staining on cotton
N	Staining on nylon
W	Staining on wool

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ITOSET	Fastness Properties										
	Sol	Light	Wash 50°C			Alk Persp			Water		
Dyed at 1%, Navy and Black at 2%	90°C	1/1	C	N	W	C	N	W	C	N	W
Yellow 2R	40	6/7	5	5	5	4/5	5	4/5	5	5	5
Yellow 4G	50	6	5	5	5	4/5	5	3/4	4/5	5	4
Orange RN	70	6	5	5	5	5	4/5	5	5	5	5
Red 2B	80	6	4/5	4/5	4/5	3/4	4/5	3/4	4/5	5	4
Red 2GA New	60	6	4/5	5	5	5	5	4/5	5	5	5
Red G	60	6	4/5	5	5	4/5	5	5	5	5	5
Bordeaux B	100	5/6	4/5	5	5	3/4	5	3/4	4/5	5	4/5
Green B	30	6	5	5	5	4	4/5	4	4/5	4/5	4
Brown G	60	7	5	5	4/5	5	5	4/5	5	5	4/5
Brown B	100	6/7	5	5	5	5	5	4/5	5	5	5
Violet B New	80	5/6	4/5	4/5	5	4/5	5	4/5	5	5	5
Blue 5G	80	5/6	4/5	4/5	5	4/5	5	5	5	5	5
Blue 2R	60	5	4/5	4/5	4/5	4	4/5	4	4/5	5	4/5
Blue 2RA	80	5	4/5	4/5	3/4	4	4/5	3/4	5	4/5	3/4
Grey G	30	6	5	5	5	5	5	5	5	5	5
Navy R	80	5/6	5	4/5	4/5	4/5	5	4	5	5	4/5
Black B	50	6/7	4/5	4/5	4	4/5	4/5	3/4	4/5	5	4

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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