



ITOSPERSE BRILLIANT
Fluorescent Dyes For Fashion and Safety

MAGNACOLOURS[®]
IMAGINATION INK[®]

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ITOSPERSE BRILLIANT dyes are a range of fluorescent disperse dyes suitable for high visibility safety wear (BS EN471) and for fashion shades.

BS EN471 can be achieved using the following dyestuffs:

ITOSPERSE BRILLIANT Yellow K10GN 400%

ITOSPERSE BRILLIANT Orange FGR

ITOSPERSE BRILLIANT Red FFG

ITOSPERSE HW DYEING METHOD

Recipe: x% Dye
0.5g/l ITOQUEST LJ3-12
0.5g/l ITOLUBE 30D
0.5g/l ITOSOLT LJ550
Acetic acid to give pH 4.5

Method: Heat to 50°C.
Add chemicals, run for 5 minutes.
Add dyes, run for 10 minutes.
Check pH (4.5-5).
Heat at 2°C/min to 130°C.
Run for 40 to 60 minutes.
Cool at 2°C/min to 80°C.
Drop liquor and rinse.

FASTNESS TEST METHODS

Light Fastness ISO 105-B02
Wash Fastness ISO 105-C02
Sublimation Fastness ISO 105-X11 (180°C)

SYMBOLS USED IN FASTNESS COLUMNS

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

Reduction clear as required.

ITOSPERSE		Fastness Properties					
		Light	Sublimation		Wash 60°C Water		
Dyed at 1%		1/1	P	C	C	N	W
Brilliant Yellow 10GF		4/5	3/4	4	4/5	3	4
Brilliant Yellow K10GN 400%		5	4	4	4/5	4	4/5
Brilliant Orange FGR		5	4/5	4/5	4/5	4/5	4/5
Brilliant Red FFG		5	5	5	4	4	4
Brilliant Red FBS		5	5	5	4/5	4/5	4/5
Brilliant Red FE5B		5	3	4	4/5	4/5	4/5

WOOL & NYLON DYE RANGES



Range	Features
ITOSPERSE	General multi purpose disperse dyes for cost effective recipes and good general fastness properties.
ITOSPERSE AUTO	Dyes with the highest light fastness suitable for car seat and headliner fabrics.
ITOSPERSE LJCC	Compatible mid energy range of disperse dyes for medium deep shades.
ITOSPERSE ECF	Eco friendly range of disperse dyes for acetate or triacetate.
ITOSPERSE BRILLIANT	Range of fluorescent disperse dyes, suitable for fashion or when safety standards (EN471) are required.
ITOSPERSE HW	Alkali clearable disperse dyes with the highest wet fastness ideal for sportswear, workwear on polyester or polyester/cellulose blends.
ITOSPERSE RAP(L)	Rapid dye trichromat for improved level dyeing and reproducibility in pale shades.

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