

DISPERSE DYES: HIGH WET FASTNESS UT-SERIES

[Features of UT-series]

- Offers complete range of colors and has excellent compatibility with trichroma.
- Has low staining on PU, cellulose, and other fibers and can easily be removed by reduction clearing.
- High temperature heat setting has minor effect on color fastness.
- Suitable for dyeing PET, PET/PU, and PET/Cel fiber blends and other fabrics with high wet fastness requirements.
- Also has good light and sublimation fastness.

【Dyeing condition】










【Reduction Clear】

【Heat Set】

Material	PET/Pu(86/14)	Liquor ratio	1: 20
Liquor ratio	1: 20	Air/Bulk	50/50
pH	4.5	(sealed air-tight container)	
Sunsolt RM-340KEZ	0.5g/L	Hydrosulfite	6g/L
Dyeing temp. and time	125°C, 60min (2°C/min)	NaOH	3g/L
		Summorl RC-700Z	1g/L

[Color fastness]

Color fastness judgement: Top: After reduction clear; Bottom: After heat set

Dye name	%o. w. f	Shade	Light ISO 105-B02	Perspiration Light (Alkali) ISO 105-B07	Sublimation ISO 105-P01			Water ISO 105-E01			Perspiration (Alkali) ISO 105-E04			Washing ISO 105-C10 (Test2)			100% Acetone solvent	Color bleed (Daimaru method)	
					CS	PET	Ny	CS	Ny	Co	CS	Ny	Co	CS	Ny	Co			WFL
KP Yellow UT-4G	2.0		6↑	5	4-5	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
KP Yellow UT-YA	2.0		6↑	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
KP Red UT-2B	2.0		6↑	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	4-5	4
KP Red UT-YA	2.0		6↑	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
KP Blue UT-3G	2.0		5-6	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
KP Blue UT-YA	2.0		6	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	4-5	4
Disperse Navy UT-GF	4.0		6↑	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	4	4-5	4-5	4
Disperse Black UT-GF	6.0		6↑	5	4-5	4	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
KP Black UT-RN 90	8.0		6↑	5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	4	4-5	4-5	4

※ CS: Change Shade; Ny: Nylon; Co: Cotton; WFL: Washing fastness liquor staining