

# Disperse Black UT-GF

NIPPON KAYAKU (THAILAND) CO., LTD.

## «Characteristics»

○Disperse Black UT-GF is a disperse dye with excellent overall fastness.

In particular, it has excellent wet fastness and achieves a high level of fastness in various blended fabrics.

☆Color Fastness (High-temperature Dyeing on Polyester and PET/PU(85/15) blends)

Polyester 100% (After heat setting 170°C, 60sec)

Dyeing depth	Light	Sublimation 180°C, 30sec.			Washing AATCC, II-A			Water 37°C, 4hrs.			Rubbing	
		Change in shade	Staining on		Change in shade	Staining on		Change in shade	Staining on			
			PET	Nylon		Acetate	Nylon		Nylon	Silk	Dry	Wet
1.0%	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
6.0%	5 ↑	4-5	3-4	3-4	4-5	4-5	4	4-5	4	3-4	4-5	4-5

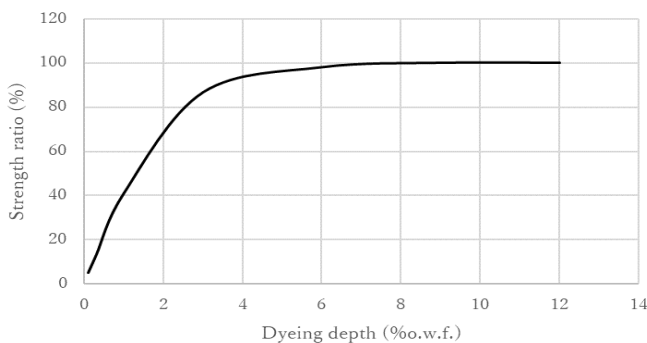
Light : Xenon-arc ISO 105-B02, Sublimation : ISO 105-P01, Water : ISO 105-E01

PET/PU(85/15) blends (Washing AATCC, II-A)

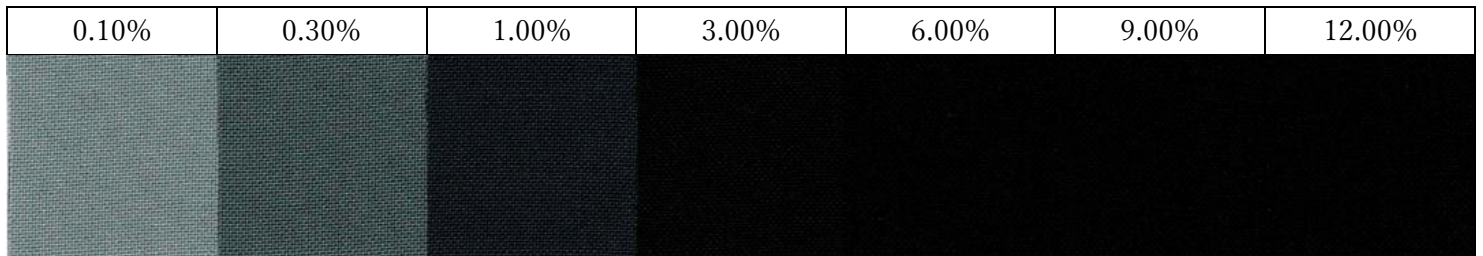
%o.w.f.	After Reductive clearing						After heat setting 170°C, 60sec					
	Ace	Co	Ny	PET	Acr	Wo	Ace	Co	Ny	PET	Acr	Wo
KP Black ECXN 300 3.40%	2-3						2-3					
Disp. Black UT-GF 6.00%	4						3-4					

☆Dyeing pattern Polyester 100% High-temperature Dyeing

[Strength ratio and the value of L\*a\*b\*]



%o.w.f.	L*	a*	b*
0.10	60.224	-2.785	-5.029
0.30	46.755	-2.796	-5.574
1.00	30.329	-2.099	-5.908
3.00	19.429	0.378	-3.291
6.00	16.989	0.986	-1.664
9.00	15.616	0.751	-1.230
12.00	16.483	0.671	-1.051



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