

报告日期 Date: 2017-11-18

报告编号 Report: LR-17-075

客户 Customer:

实验目的 Objective: 经济型高牢度 KF 系列与高牢度 KF-P 系列分散料的色光力份和牢度比较测试

试验样品 Sample:	分散嫩黄 KF-6G	分散金黄 KF-3R	分散黄棕 KF-XF
	分散红棕 KF-4R	分散大红 KF-RS	分散红玉 KF-4BS
	分散蓝 KF-XF	分散深蓝 KF-RN	分散黑 KF-HW
	分散嫩黄 KF-PSH	分散金黄 KF-PSH	分散黄棕 KF-PSH
	分散大红 KF-PSH	分散玫红 KF-PSH	分散艳红 KF-PSH
	分散暗红 KF-PSH	分散红玉 KF-PSH	分散艳蓝 KF-PSH
	分散深蓝 KF-PSH	分散深蓝 KF-PT	
	分散黑 KF-PSH-G	分散黑 KF-PT-D	

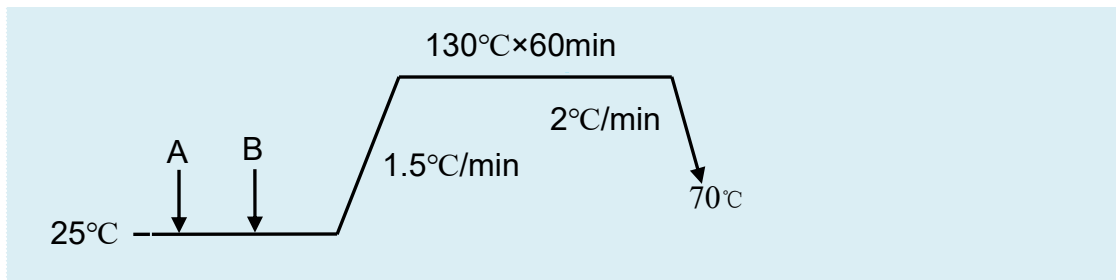
试验材料 Material: PES/EL 实验室储存布

前处理 Pretreatment:

0.3-0.6g/L Keriscour 2106 氨纶高效除油剂
pH=12-13 (用 NaOH 调)
98°C×20min

染色工艺 Dyeing method for disperse dyes

浴比 L:R=1:10



A	0.2 g/L Keriperse 5180 高温匀染剂
	2.0 g/L PB-45 (调 pH=4.5)
	0.5-2% (NH ₄) ₂ SO ₄
B	X% Disperse Dyes

还原清洗 Reduction cleaning:













1g/L Sodium Hydroxide
4g/L Sodium hydrosulfite
1g/l Eriopon OLS
70°C×20 min

定型 170°C 30 秒 做牢度

Dyeing results: (经济型高牢度系列)

	0.5%	1%	2%
分散嫩黄 KF-6G			
分散金黄 KF-3R			
旗域分散 黄棕 KF-XF			
分散红棕 KF-4R			
分散大红 KF-RS			





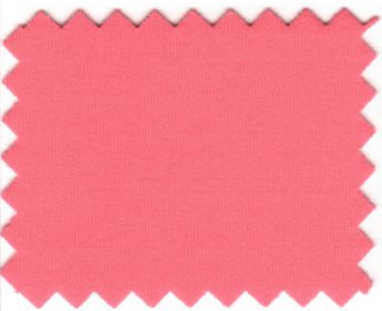







Dyeing results: (经济型高牢度系列)

	0.5%	1%	2%
分散红玉 KF-4BS			
	0.5%	1%	2%
分散蓝 KF-XF			
	1%	2%	4%
分散深蓝 KF-RN			
	2%	4%	6%
分散黑 KF-HW			

Dyeing results:(高牢度系列)

	0.5%	1%	2%
分散嫩黄 KF-PSH			
分散金黄 KF-PSH			
分散黄棕 KF-PSH			
分散大红 KF-PSH			

Dyeing results:

	0.5%	1%	2%
分散玫红 KF-PSH			
分散艳红 KF-PSH			
分散暗红 KF-PSH			
分散红玉 KF-PSH			

Dyeing results:

	0.5%	1%	2%
分散艳蓝 KF-PSH			
	1%	2%	4%
分散深蓝 KF-PSH			
	1%	2%	4%
分散深蓝 KF-PT			
	2%	4%	6%
分散黑 KF-PSH-G			
	2%	4%	6%
旗域分散黑 KF-PT-D			

		色变	沾色					
			CA	CO	PA	PES	PAN	WO
旗域分散嫩黄 KF-6G	150°C 30sec	4-5						
			5	5	5	5	5	5
	180°C 30sec	4-5						
			4-5	4-5	4-5	4	4-5	4-5
210°C 30sec	4-5							
			2-3	3-4	2-3	3	3-4	4
旗域分散金黄 KF-3R	150°C 30sec	4-5						
			4-5	4-5	4-5	4	4-5	4-5
	180°C 30sec	4-5						
			3-4	4	3-4	4	4-5	4-5
210°C 30sec	4-5							
			2	3	1-2	1-2	2-3	3-4
旗域分散黄棕 KF-XF	150°C 30sec	4-5						
			4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5						
			4-5	4-5	4-5	4	4-5	4-5
210°C 30sec	4-5							
			3	3-4	3	2-3	4	4
旗域分散红棕 KF-4R	150°C 30sec	4-5						
			4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5						
			4	4	4	4	4-5	4-5
210°C 30sec	4-5							
			2-3	3-4	2-3	2	3-4	4

Color fastness to sublimation (升华牢度)

		色变	沾色					
			CA	CO	PA	PES	PAN	WO
旗域分散大红 KF-RS	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4	4-5	4-5	
	210°C 30sec	4-5	3	3-4	3	2-3	4	4
旗域分散红玉 KF-4BS	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	3-4	3-4	3-4	3	3-4	4
旗域分散蓝 KF-XF	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	3-4	3-4	4	2	4	4
旗域分散深蓝 KF-RN	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	4-5	4	4	3	4	4

Color fastness to sublimation (升华牢度)

		色变	沾色					
			CA	CO	PA	PES	PAN	WO
旗域分散黑 KF-HW	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4	5	4	3-4	4	4-5
	210°C 30sec	4-5	3	3-4	3	2-3	4	4
旗域分散嫩黄 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4	4	4	4-5	4-5	4-5
	210°C 30sec	4-5	3	3	2-3	2-3	3	4
旗域分散金黄 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	1-2	3-4	1-2	1-2	3-4	4
旗域分散黄棕 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4	4	4-5	4-5	4-5
	210°C 30sec	4-5	4	4	4	3-4	4	4

Color fastness to sublimation (升华牢度)

		色变	沾色					
			CA	CO	PA	PES	PAN	WO
旗域分散大红 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4	4-5	4-5	4-5
	210°C 30sec	4-5	3	4	3-4	2-3	4	4
旗域分散玫红 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	4	4-5	4	3	4	4
旗域分散艳红 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4	3-4	4	4
	210°C 30sec	4-5	3	4-5	3-4	2	4	4
旗域分散暗红 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	4	4	4	3	4	4

Color fastness to sublimation (升华牢度)

		色变	沾色					
			CA	CO	PA	PES	PAN	WO
旗域分散红玉 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	3	3	3	2-3	4	4
旗域分散艳蓝 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4	4-5	4-5	
	210°C 30sec	4-5	3	3-4	4	2	4	4
旗域分散深蓝 KF-PT	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	
	210°C 30sec	4-5	4	3	3-4	2	4	4
旗域分散深蓝 KF-PUD	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	
	210°C 30sec	4-5	4	4	4	3-4	4	4

Color fastness to sublimation (升华牢度)

		色变	沾色					
			CA	CO	PA	PES	PAN	WO
旗域分散黑 KF-PT-D	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	4	4	4	2	4	4
旗域分散黑 KF-PUD-G	150°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	180°C 30sec	4-5	4-5	4-5	4-5	4-5	4-5	4-5
	210°C 30sec	4-5	3-4	3-4	3-4	2	4	4