

凯乐玛 (上海) 科技有限公司
CHROMA (Shanghai) Chem-Tech Co., Ltd.

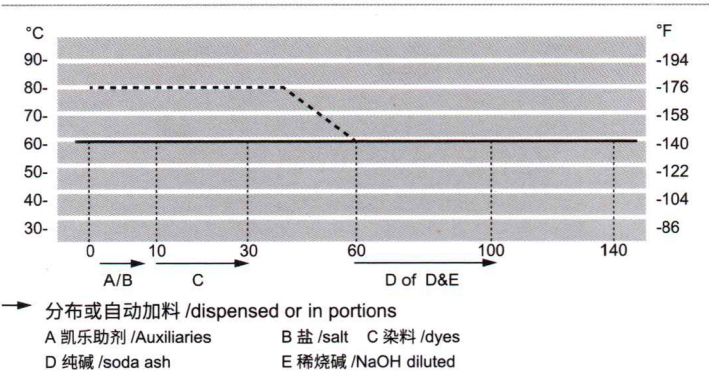


COLORSOL® 凯乐素® MF

活性染料浸染
Reactive dyes Exhaust dyeing

			MF																			
COLORSOL®			Yellow MF	Red MF	Blue MF	Yellow MF-2R	Yellow NP	Blt Red MF-3GL	Red MF-R	Red MF-2BL	Deep Red MF-D		Blt Blue MF-R	Blt Blue 4R	Blue MF-R	Blue NG	Blue MF-S	Dark Blue MF-S	Navy MF-R	Navy MF-G	Navy MF-BN	
Dyeing on Bleached 100% cotton (tinctorial pattern 2.0% , Navy 4.0% Black 6.0%)																						
1/1 SD. g/kg dyestuff (PDPS process, bleached, merc. CO)			14.4	22.8	16.9	11.2	20.8	9.9	28.1	34.5	8.0		20.1	32	30.4	22.8	26.1	16	9.3	9.3	6.4	
1/1 SD. % dyestuff (LR 10:1, exhaust, process, bleached CO)			2.00	2.85	2.13	1.60	1.80	1.36	3.00	4.00	1.00		2.66	4.20	2.67	2.85	3.00	2.00	1.30	1.55	1.55	
Suitability for process	Exhaust		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	
	CPB		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	
	PDPS		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	
	Pad-dry-thermofix		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	
Light Fastness	ISO 105-B02 (Xenon)	1/1 SD	5-6	4	5	5-6	6-7	5	4	5-6	5		5-6	6	7	7	5-6	5	-	3-4	3-4	
		2/1 SD	6	4-5	5-6	6	6-7	5	4-5	6	5-6		6	6	7	7	6	5-6	4-5NL	4	4NL	
Light Fastness	AATCC 16E (Xenon, in 1/1 S.D.)	20AFU	4-5	4-5	4-5	4-5	4-5	4-5	4-5	5	5		5	4-5	4-5	5	4-5	4-5	3-4	5 NL	3-4	
		40AFU	4-5	4	4	4-5	4-5	4	4	4-5	4-5		5	4-5	4-5	5	4	4	3	4-5 NL	4NL	
Washing Fastness	ISO 105-C06 C1S 60°C 1/1 SD	CH	5	5	5	5	5	5	5	5	4-5		4-5	5	5	4-5	4-5	4-5	4-5	4-5	5	4-5
		CO	5	5	5	5	4-5	5	5	5	4-5		5	5	4-5	4-5	4-5	4-5	4-5	5	4-5	
Multiple Washing Fastness ISO 105-C06 C1S, 5X 60°C 1/1 SD	CH	CH	4-5	4-5	4-5	4-5	5	5	5	5	4		4	5	4-5	4-5	4-5	4-5	4-5	5	4-5	
		CO	5	5	4-5	4-5	5	5	5	5	5		5	5	5	4	4	4	4-5	5	4-5	
Peroxide Washing Fastness ISO 105-C06 E2S 95°C 1/1 SD	CH	CH	4-5	4-5	4-5	5	4-5	5	5	5	4-5		4-5	5	4-5	4-5	4-5	4-5	4-5	5	4-5	
		CO	4-5	4-5	4-5	5	4-5	5	5	5	4		4	5	4-5	4-5	4-5	4-5	4	4-5	4	
Water Fastness ISO 105-E01 1/1 SD	CH	CH	4-5	4-5	4-5	5	5	4-5	5	5	5		4	5	5	4-5	4-5	4-5	5	5	4-5	
		CO	4-5	4-5	4-5	5	4-5	5	5	5	4-5		5	5	5	4-5	4-5	4-5	5	5	4	
Perspiration Fastness ISO 105-E04 Acid/Alkaline 1/1 SD	CH	CH	5/5	4-5/4-5	4-5/4-5	4-5/4-5	5/5	4-5/4-5	5/5	5/5	5/4-5		4/4	5/5	4-5/4-5	5/5	4-5/4-5	4-5/4-5	5/5	5/5	4-5/4-5	
		CO	5/5	5/5	5/5	5/5	5/5	5/5	4-5/4-5	5/5	4-5/5		4/4	5/5	5/5	5/5	4-5/4-5	4-5/4-5	5/5	5/5	4-5/4-5	
Fastness to Chlorinated Water	ISO 105-E03 , 20mg/l 1/1 SD	CH	4	4-5	3-4	4	4-5	5	5	2-3	4-5		2	2GW	3-4W	4	2-3	2-3	2-3	4-5	4-5	
Simulation of multiple wash with bleach activator at 60°C	ISO 105-C09	CH	4-5	4-5	4-5	4-5	5	4	4	4-5	4-5		4-5	4-5	4	4-5	4-5	4-5	4-5	5	4-5	
Oxidative Bleach Damage M&S C10A 1/1 SD		CH	4-5	4-5	5	4-5	5	4	4	4-5	4-5		4-5	4-5	4	4-5	4-5	4-5	4-5	5	4-5	
Nitrogen Oxides Fastness ISO 105-G01 1/1 SD		1cycle CH	5	5	4	5	5	5	5	5	5		4	3-4	3-4GW	4-5	3-4	3-4	5	5	4-5	
		3cycle CH	5	4-5	3-4	5	5	5	5	5	5		3-4	2-3	3GDu	4-5	2-3	2-3	4-5	4	4-5	
Dischargeability	(white discharge 1, potash)		-	-	-	-	++	-	-	-	+++		-	-	-	+	++	++	++	++	++	

染色工艺 / Dyeing Method



● 浴比小于等于 6:1(超小浴比)/Liquor ratio 6:1 and below (Ultra Short Liquor ratio)

纯碱法 / Soda ash								
染料 / dye	%	< 0.5	0.5	1	2	3	4	<5
盐 / salt	g/l	20	30	40	50	60	70	80
纯碱 / soda ash	g/l	14	16	18	20	20	20	20

混合碱法 / Mixed alkali								
染料 / dye	%	< 0.5	0.5	1	2	3	4	<5
盐 / salt	g/l	20	30	40	50	60	70	80
纯碱 / soda ash	g/l	10	10	5	5	5	5	5
烧碱 * / NaOH	ml/l	0.5	1.0	2.0	2.5	3.0	3.5	4.0

● 浴比小于 8:1 /Liquor ratio below 8:1

纯碱法 / Soda ash								
染料 / dye	%	< 0.5	0.5	1	2	3	4	<5
盐 / salt	g/l	20	30	40	50	60	70	80
纯碱 / soda ash	g/l	10	12	14	16	18	20	20

混合碱法 / Mixed alkali								
染料 / dye	%	< 0.5	0.5	1	2	3	4	<5
盐 / salt	g/l	20	30	40	50	60	70	80
纯碱 / soda ash	g/l	10	5	5	5	5	5	5
烧碱 * / NaOH	ml/l	-	0.75	1.25	1.5	2.0	2.25	3.0

● 浴比大于等于 8:1/Liquor ratio 8:1 and above

纯碱法 / Soda ash								
染料 / dye	%	< 0.5	0.5	1	2	3	4	<5
盐 / salt	g/l	30	40	50	60	80	90	100
纯碱 / soda ash	g/l	8	10	12	14	16	18	18

混合碱法 / Mixed alkali								
染料 / dye	%	< 0.5	0.5	1	2	3	4	<5
盐 / salt	g/l	30	40	50	60	80	90	100
纯碱 / soda ash	g/l	8	5	5	5	5	5	5
烧碱 * / NaOH	ml/l	-	0.5	1.0	1.25	1.5	2.0	2.5

烧碱 /NaOH 36°Bé/66°TW

清洗

- 50° C / 122° F 清洗 10 分钟。
 - 50° C / 122° F 中和处理 10 分钟。用 0.2-0.5 毫升 / 升凯乐中和酸 PC，pH 5.5-6
 - 95° C / 203° F 皂洗 10 分钟。用 1-2 克 / 升凯乐净 MPB
 - 50° C / 122° F 清洗 10 分钟
 - 冷水清洗 10 分钟
 - 正常后处理或柔软
- 如有必要，我们建议对于特深色增加一次 95° C / 203° F 清洗

Washing off

- 10 min rinse at 50°C/122°F.
 - 10 min neutralize at 50°C/122°F with 0.2-0.5ml/L CHRO Acid PC, pH 5.5-6
 - 10 min soap at 95°C/203°F with 1-2g/l CHRO Wash MPB
 - 10 min rinse at 50°C/122°F
 - 10 min rinse cold
 - Soften as usual or aftertreatment
- if necessary for very dark shades we recommend an additional rinse at 95°C/203°F

说明 Disclaimer:
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