

COLORSOL®		Ultra DS									SP-EC											
		Ultra Yellow DS	Ultra Orange DS	Ultra Red DS-G	Ultra Red DS	Ultra Wine DS	Ultra Blue DS	Ultra Navy DS	Ultra Night DS	Ultra Navy DS-R	Yellow SP-EC	Orange SP-EC	Red SP-EC	Red SPB-EC	Brown SP-EC	Dark Blue SP-EC	Super Black SPG-EC	Super Black SQ	Super Black SG	Super Black SR	Black SP	
Dyeing on Bleached 100% cotton (tinctorial pattern 2.0% , Navy 4.0% Black 6.0%)																						
1/1 S.D. g/l dyestuff (PDPS process , bleached , merc. CO)		11.3	5.3	5.6	15.6	8.0	15.2	6.4	5.6	18.0	16.0	6.0	8.0	16.8	13.5	6.0	50.0	40.0	40.0	40.0	50.0	
1/1 S.D. % dyestuff (LR 10:1 ,exhaust , process , bleached CO)		1.50	0.84	0.92	1.70	1.00	2.00	1.14	1.00	1.80	2.00	1.18	1.56	2.52	2.20	1.10	6.00	4.50	4.50	4.50	6.00	
Suitability for process		Exhaust	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
		CPB	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		PDPS	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Pad-dry-thermofix	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Light Fastness 105-B02 (Xenon)	ISO 1/1 S.D	5	5	6	5-6	6	5	-	-	-	7	4	4-5	4-5	4	4-5	-	-	-	-	-	
	2/1 S.D	5-6	5-6	6	6	> 6	> 5	4NL	4-5NL	4-5NL	7-8	4-5	5	5	4-5	5	5BK	5BK	5BK	5BK	5BK	
Light Fastness AATCC 16E (Xenon , in 1/1 S.D.)	20AFU	5	5	5	5	4-5	4-5	5NL	4-5NL	4-5NL	5	4-5	4-5	4-5	4-5	4-5	5	5	5	5	5	
	40AFU	4-5	4-5	4-5	4-5	4-5	4	4-5NL	4NL	4NL	5	4-5	4-5	4	4	4	4-5	4-5	4-5	4-5	4-5	
Washing Fastness ISO 105-C06 C1S 60°C 1/1 SD	CH	5	4-5	4-5	4-5	4-5	4-5	5	4-5	4-5	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	
	CO	5	5	5	4-5	4-5	4	5	5	5	5	5	4-5	4-5	5	4-5	5	5	5	5	5	
Multiple Washing Fastness ISO 105-C06 C1S, 5X 60°C 1/1 SD	CH	4-5	4-5	4-5	4-5	4-5	4-5	5	4-5	4-5	5	5	4-5	4-5	5	4-5	5	5	5	5	5	
	CO	4-5	4-5	4-5	4-5	4-5	4-5	5	4-5	4-5	5	5	4-5	4-5	4-5	4-5	5	5	5	5	5	
Peroxide Washing Fastness ISO 105-C06 E2S 95°C 1/1 SD	CH	4-5	4-5	4-5	4-5	4	4-5	5	4-5	4-5	4-5	4	5	4-5	4-5	4-5	5	5	5	5	5	
	CO	4-5	5	4-5	4-5	4	4	4-5	4	4	5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	
Water Fastness ISO 105-E01 1/1 SD	CH	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	5	4-5	5	4-5	4-5	5	5	5	5	5	5	
	CO	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	5	4-5	5	4-5	4-5	5	5	5	5	5	5	
Perspiration Fastness ISO 105-E04 Acid/Alkaline 1/1 SD	CH	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	4-5/4-5	4-5/4-5	5/5	4/3-4	4-5/4-5	4-5/4-5	5/4-5	5/5	5/4-5	5/5	5/5	5/5	5/4-5	
	CO	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	4-5/4-5	4-5/4-5	4-5/4-5	4-5/4-5	5/4-5	4-5/4-5	4-5/4-5	4-5/4-5	5/5	4-5/4-5	4-5/4-5	4-5/4-5	5/5	
Fastness to Chlorinated Water ISO 105-E03 , 20mg/l 1/1 SD	CH	4-5	4	4-5	4-5	4	3	4-5	3	3	5	3-4	3-4	3-4	3	4	4	4	4	4	4	
Simulation of multiple wash with bleach activator at 60°C ISO 105-C09	CH	4	4	4-5	4-5	4	4	5	3R	3R	5	4	4	4-5	4-5	4-5	5	4	4	4	5	
Oxidative Bleach Damage M&S C10A 1/1 SD	CH	4	4	5	4-5	4	4	4	3R	3R	5	4	4	4-5	4-5	4-5	5	4	4	4	5	
Nitrogen Oxides Fastness ISO 105-G01 1/1 SD	1cycle CH	5	4-5	5	5	5	3	4-5	4-5	4-5	5	4-5	4	4-5	4-5	4-5	5	5	5	5	5	
	3cycle CH	5	4-5	4-5	4-5	5	3	4	4	4	4-5	4-5	4	4	4	4-5	4-5	4-5	4-5	4-5	4-5	
Dischargeability (white discharge 1 , potash)		-	+++	+++	-	+++	-	+++	++	-	-	+++	-	-	+	+	-	+	+	+	-	