

ORCOLITEFAST™ Dyes for Cellulosics

Shade	Color Index Name	ORCOLITEFAST™	Solubility	Lightfastness (@ 1% owf)	IIA Washfastness		Croaking		Acid Perspiration	Max Affinity (Deg F)	SDC Classification	Hi-Temperature Stable	SC to Artificial Light	SC After-treatment	Discharge	
					Unfixed	Fixed	Wet	Dry							Neutral	Alkaline
	Direct Black 19	Black VN	30 g/l	5	2-3	3-4	3	3-4	5	212	C	Poor	Neutral	Gr	4	4
	Direct Black 22	Black GR 600%	30 g/l	1-2	3	4	3-4	5	4-5	195	C	Good	Gr.	3-4 Bluer	4-5	4
	Direct Black 80	Black OB 150%	20 g/l	1	2	3-4	3-4	5	3	180-195	B	Good	Gr.	4 Bluer	4	4
	Direct Black 51	Black L Ex Conc	30 g/l	3	1-2	2-3	3-4	4-5	2-3	105	A	Poor	R/Du	Du	4	4
	Direct Black 175	Grey LVL 200%	30 g/L	4-5	2-3	3-4	3-4	5	4	195	B	Limited	-	-	-	-
	Direct Blue 71	Blue FFC Ex Conc	25 g/l	4	3	4	3-4	5	4	195-212	B	Limited	Gr.	4 Gr.	4	4-5
	Direct Blue 76	Blue 5GL	30 g/l	3	3-4	4	4-5	5	5	195	B	Good	Gr.	4-5 Gr.	4	5
	Direct Blue 78	Blue 4GL-CF	30 g/l	1-2	3	3-4	4	5	5	203-212	B	Good	Gr.	4-5 Red	3	3
	Direct Blue 80	Blue 7RL	30 g/l	3	2	3	4-5	5	4	160	B	Good	Redder	3-4 Gr	2-3	2-3
	Direct Blue 86	Turquoise LGL	35 g/l	4	1-2	2	4-5	5	3 GR	180-195	B	Good	Gr/Br.	3-4 Gr	4	2
	Direct Blue 90	Blue FGL	40 g/l	4-5	3-4	4	4	5	4-5	195-212	B	Good	Gr.	4-5 Weak	3	3
	Direct Blue 98	Blue LUL	20 g/l	3-4	3-4	4-5	4-5	5	5	203-212	B	Good	Gr/Du	4-5 Weak	5	4
	Direct Blue 108	Blue FFRL	40 g/l	6-7	3	3-4	3	4	4-5	190-210	B	Good	Redder	Gr	1-2	2-3
	Direct Blue 160	Navy Blue RLL 200%	25 g/l	4	4	4	4	4	4 Gr	203-212	B	Good	Greener	-	3-4	4-5
	Direct Blue 189	Turquoise FBL	50 g/l	5-6	3	4	3	3-4	5	95-205	B	Good	4Gr	Gr	4	3
	Direct Blue 199	Turquoise BR	40 g/l	6	3-4	4	4	4-5	3-4	95-205	B	Good	Gr	Gr	2	2
	Direct Blue 200	Blue 4BL 200%	45 g/l	6-7	3	4	2-3	4-5	4-5	212	B	V. Good	Gr/Du	3-4 Red	-	-

(owf) = on weight of fabric

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ISO 9001 Certified

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					Unfixed	Fixed	Wet	Dry							Neutral	Alkaline
	Direct Blue 218	Blue 3GAV	50 g/l	3-4	4	4-5	4-5	4-5	4	195	B	Good	Gr	4-5 Weak	4	5
	No CI	Navy NS	30 g/l	3	2-3	3-4	4	4-5	4	170	B	Good	Redder	4 Gr	3	3
	No CI	Navy BLC	30 g/l	3	2-3	4	4	5	4-5	195-212	B	Good	Gr	4 Weak	4	4
	Direct Brown 115	Brown AGL	80 G/L	4	4	4-5	4	4-5	4	200-212	A	Good	Red/Br	4-5 Red	3	2
	Direct Brown 210	Brown GTL	70 g/l	5	4	5	2-3	4	5	195	B	Limited	Neutral	4-5 Weak	5	3
	No CI	Brown BRL-NB	40 g/l	4	4	4-5	3-4	4-5	3	212	C	Good	Yel	Du	3	3
	No CI	Brown BRL-MF	35 g/l	3	2-3	3	3	4	4	212	B	Good	Red	Red	3	3
	No CI	Brown BRS	35 g/l	3-4	2-3	3	3	4-5	4	200	B	Good	Yel	Du	3	3
	Direct Green 26	Brilliant Green BL	20 g/l	6	3-4 Gr	4	4	4-5	4	205	B	Good	Gr	4 Weak	3	3
	Direct Green 92	Green 2B-NB	35 g/l	4-5	2-3	3-4	4	4	4	175	C	Good	Bl	Yel	3	3
	No CI	Grey LV-CF	35 G/l	3-4	3	3-4	4	5	5	205	B	Good	Gr	4-5 Red	3	3
	Direct Orange 39	Orange LG	40 g/l	4-5	2-3	3-4	4	5	3-4	212	B	Good	Red	4 Yel	4	2
	Direct Orange 72s	Orange 4GLL	40 g/l	4	2-3	3	4	4-5	4	160	A	Limited	-	-	-	-
	Direct Red 23	Red 4BSE Ex Conc	30 g/l	4	2-3	3	3	3-4	3-4	195	C	-	Y/Br	-	3	3
	Direct Red 75	Pink 2BL	80 g/l	4	3-4	4	4-5	4-5	3-4	175	A	-	Y/Br	-	5	5
	Direct Red 79	Red 6BLL	20 g/l	5-6	3	3-4Yel	4	5	3-4 Bl	203-212	B	Poor	Yel	3 Bl	5	5
	Direct Red 80	Red 8 BLWN	30 g/l	3-4	2-3	4	3-4	5	4	180	B	Poor	Yel/Br	4 BL	3-4	3-4

(owf) = on weight of fabric

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					Unfixed	Fixed	Wet	Dry							Neutral	Alkaline
	Direct Red 81	Red 8 BL	40 g/l	4	1-2	1-2	3-4	5	3	140	A	Poor	Yel/Br	4-5 Yel	5	5
	Direct Red 83	Rubine 3BLL	30 G/L	5-6	2-3	4-5	3-4	5	4 Bl	180	A	Limited	Yel/Br	3 Bl	3	2
	Direct Red 89	Red BNL	50 g/l	4	3-4	4	4	5	5	205	B	Good	Yel/Br	4Bl	2-3	2-3
	Direct Red 224	Scarlet T2B	30 g/l	5-6	3	3-4 Yel	4	5	3-4 Bl	195	B	Good	Yel/Br	3-4 Yel	3	3
	Direct Red 227	Rose FR	100 g/l	3	3-4	4-5	2-3	4-5	4-5	200	B	Limited	Yel/Br	-	-	-
	Direct Red 243	Red TB	40 g/l	4	2	2	3-4	5	3	195	B	Good	Yel	4-5 Yel	3-4	3-4
	Direct Violet 51	Violet FFBL	40 g/l	3-4	1-2	2-3	3-4	4-5	1 Bl	200-205	A	-	Red	Bl	5	5
	Direct Violet 66	Violet 5BLL	40 g/l	4-5	3-4	4-5	2	4-5	3 Bl	160	B	Good	Red	4-5 Bl	-	-
	Direct Violet 104s	Rubine WLKS	75 g/l	3-4	3-4	4-5	2-3	4-5	3-4	190	B	Limited	Yel/ Red	-	-	-
	Direct Yellow 44	Yellow 4GL 200%	40 g/l	4	1-2	2	4	5	4	140	A	Poor	Red	4 Red	5	4
	Direct Yellow 86	Yellow RL	80 g/l	6-7	4-5	4-5	3-4	5	4-5	180	B	Good	Red	4 Red	5	3
	Direct Yellow 96	Brilliant Yellow 8GFF	60 g/l	2-3	4	4	4	5	4	160	A	Good	Red	4	-	-
	Direct Yellow 105	Orange GLF	50 g/l	4	2-3	3	3-4	5	5	203-212	B	Good	Red	4-5 Weak	2	2
	Direct Yellow 106	Yellow EFL 200%	50 g/l	6-7	2-3	4	4	5	4-5	203-212	B	Good	Red	4 Weak	1	1
	Direct Yellow 130	Yellow TG	30 g/l	5-6	4	4-5	4	5	5	175	B	Good	Red	-	2	2
	No CI	Yellow RLSW	80 g/l	6-7	3-4	4-5	3-4	5	4-5	180	B	Good	Red	4 Red	5	3

(owf) = on weight of fabric

Actual dye samples must be evaluated in a laboratory on medium to be dyed in production for accurate shade and physical property results. Shades shown on print material and computer monitors are for general reference only as they are inherently inaccurate due to calibration variations and technical limitations of monitors and printers.