

SHADE CARD & PRODUCT DETAILS

PRODUCTS

This Shade Card is curated to include the products that meet the High Fastness Requirements suiting the Application on High Visibility and Dry Fit Nylon Blended Polyester Fabrics. The product range include ACE Series, PLUS series, UNSE - Series, MD Series, XF Series , Luminous Series , HW Series and General Series Dyes.

ECO TESTING

Keeping pace with the accelerated demand of ECO FRIENDLY NORMS , all the batches of all the products are being tested in the In-House ECO LABORATORY for COOCs, CPs, PAHs, Banned Amines and Heavy Metals, Eco Test Report are also available if required along with the standard COA for the products supplied.

SAFETY DATA SHEETS

For all the products, SDS - Safety Data Sheets are available as per the guidelines of Globally Harmonize System (GHS) and REACH Regulation (EU) 2015/830.

CERTIFICATIONS

Integrated Management System of Spectrum is Certified as per ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007.

PRODUCT SERIES - DISPERSE DYES

DISPERSE ACE SERIES

- Range of Trichromatic Colours for Polyester.
- Suitable for Rapid Dyeing of Pale Shades.
- Good Compatibility and Leveling Properties.

DISPERSE PLUS SERIES

- Compatible Dyes for Level - Dyeing of Medium and Heavy Shades.
- Best suitable for Microfiber and Weight-Reduced Polyester.
- Can be used under mild Alkaline Conditions to control Trimer.

DISPERSE UN -SE SERIES

- Level-Dyeing Dyes for reliable Dyeing of Medium and Heavy Shades on Polyester fabrics.
- Good Compatibility with Microfiber and Weighted - Reduce Polyester.
- To be used under conventional acidic conditions.

DISPERSE MD SERIES

- Economical Range of Medium-Energy Bright Shade Dyes.
- Optimized Rapid Dyeing-Both Exhaust and Continuous.
- Excellent build-up Properties.
- Good reproducibility and all-round Colour Fastness.

DISPERSE XF SERIES

- Designed for High Levels of Wash Fastness.
- Versatile application and Minimum staining to Nylon.
- High production efficiency on Polyester/Cellulose blends.
- Only alkaline clearing of unfixed dye in place of Reduction Clearing.

DISPERSE LUMINOUS SERIES

- Fluorescent Dyes for Bright Shades for Dyeing and as illuminants in Printing.
- Conforms to the EN-471 specifications for High-Visibility work Clothing.
- Conforms to the EN-1150 specifications for High-Visibility work Clothing.
- Robust to everyday processing variations.

DISPERSE HW SERIES

- Designed for good all-round Fastness.
- Minimum staining to Nylon.
- Good Thermomigration.
- Low cross-staining and wide application in various blended fabrics.

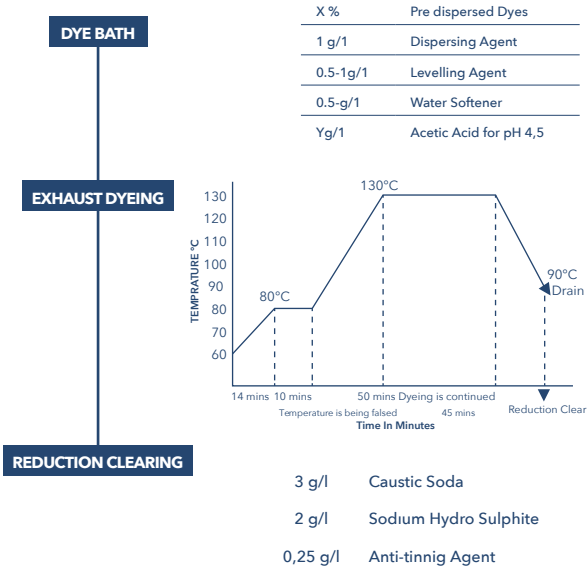
DISPERSE GENERAL SERIES

- Standard Dyes Covering Entire Gamut of Shades.
- Includes Dyes based on Azo & Anthraquinone and their Rational Mixtures.
- Special Type of Chromophore Range

APPLICATION PROCEDURE OF DISPERSE DYES

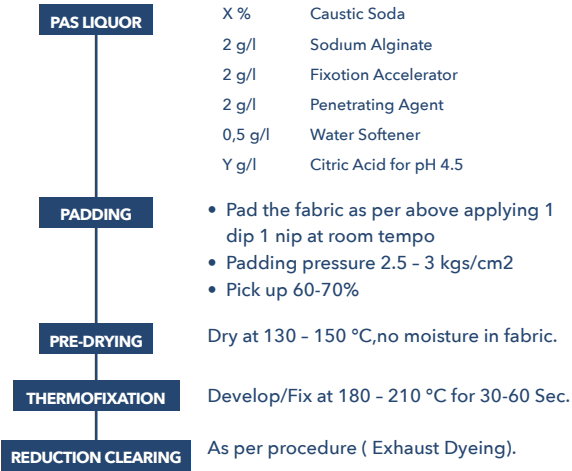
A.EXHAUST DYEING:

High temperature high pressure dyeing is carried out using a closed type dyeing machine such as cheese,beam,jet,jit,jig or liquor flow type according to the form of the material.

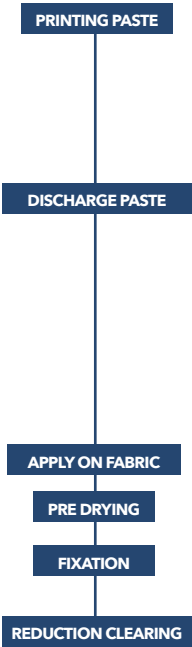


B.PAD THERMOSOL PROCESS:

S and SE class dyes are suitable for Termosol application on polyester and its blends.



C. PRINTING:



X %	Pre-dispersed Dyes
700 Parts	Stock Thickening
4-5 Parts	Fixation Accelerator
Y Parts	Citric Acid for pH 4.5
1000 Parts	Water

Discharge Print :

X Parts	Pre-dispersed Dyes
120 Parts	Safolite
30 Parts	PEG 400
05 Parts	Penetrating Agent
05 Parts	Fixation Accelerator
500 Parts	Stock thickening
300 Parts	Water
Y Parts	Citric Acid for pH 4.5-5.0.
1000 Parts	

Print at room temperature

130 - 150 °C, no moisture in printed fabric.

High Temp. Steaming at 170 °C for 7-8 Min.

As per procedure (Exhaust Dyeing)

ABBREVIATIONS :

Word	Description
S	High Energy Dye
SE	Medium Energy Dye
E	Low Energy Dye
COS	Change of shade
SOP	Staining on adjacent polyester
PES	Polyester
CO	Cotton
NY	Nylon
ND	Non Dischargeable
ND	Not Suitable for colour Discharge
ND	Reference shade depth

NOTE :

The information and technical advice are complied with utmost care and knowledge, without any liability.
Sample of the products illustrated ated are available for customer evaluation.

 Disperse & Reactive Dyes		FASTNESS PROPERTIES										
Pattern	Product Name	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (XENON Arc Lamp)		Sublimation Fastness ISO 105 PO1 Dry heat for 30 Src.		Washing Fastness ISO 105 CO3		pH Range	Migration(%)	bluesign® APPROVED
				As per ISO 105 BO2	180° C CO5 SOP	PES CO NY						
DISPERSE ACE SERIES	Range of Trichromatic Colors for Polyester Suitable for Rapid Dyeing of Pale Shades Good Compattibility and Levelling Propertien											
	Yellow ACE	1.0	E	7	4 3	4-5 4-5 4	3-9	45				
	Red ACE	1.0	E	6-7	4 3	4-5 4-5 4	3-9	30				
	Blue ACE	1.0	E	7	4 3	4 4-5 4	3-9	30				
DISPERSE PLUS SERIES	Compatible Dyes for Level-Dyeing of Medium & Heavy Shades. Best suitable for Microfiber and Weight-Reduced Polyester. Can be used under mild Alkaline Conditions o control Trimer.											
	Yellow PLUS	1.0	S	6-7	4-5 3-4	4 4-5 4	3-9	45				
	Orange PLUS	1.0	SE	6-7	4-5 4	4-5 4-5 4	3-9	45				
	Red PLUS	1.0	S	5-6	5 4	4 4-5 3-4	3-9	45				
	Rubine PLUS	1.0	SE	5-6	4-5 4	4 4-5 3-4	3-9	48				
	Blue PLUS	1.0	SE	5-6	5 4	4-5 4-5 4	3-9	40				
	Deep Blue PLUS	2.0	SE	5-6	5 4-5	4-5 4-5 4	3-9	45				
	Black PLUS	2.0	SE	5-6	5 4	4-5 4-5 4	3-9	48				

S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

IMColor Disperse & Reactive Dyesstuff				FASTNESS PROPERTIES									
Pattern	Product Name	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (XENON Arc Lamp)		Sublimation Fastness ISO 105 PO1 Dry heat for 30 Sec.		Washing Fastness ISO 105 CO3		pH Range	Migration(%)	bluesign® APPROVED	
				As per ISO 105 BO2	180° C	COS	SOP	PES	CO	NY			
DISPERSE UN-SE SERIES	Level-Dyeing Dyes reliable Dyeing for Medium and Heavy shadeson Polyester Fabrics. Good Compatibility with Microfiber and Weight-Reduced Polyester. To be used under conventional acidic conditions.												
	Yellow UN-SE	1.0	SE	7	4-5 4	4-5 4-5 4	3-6	45	bs				
	Orange UN-SE	1.0	SE	6-7	4-5 4	4 4-5 3-4	3-9	48	bs				
	Red UN-SE	1.0	SE	5-6	4 3-4	3-4 4-5 3	3-9	40					
	Rubine UN-SE	1.0	SE	5-6	4 3-4	4 4-5 3-4	3-9	45	bs				
	Blue UN-SE	1.0	SE	5-6	4 3-4	3-4 4-5 3	4-7	45	bs				
	Navy UN-SE	2.0	SE	5-6	4-5 4	3-4 4-5 3	4-7	45					
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S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

		FASTNESS PROPERTIES							
Pattern	Product Name	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (XENON Arc Lamp)	Sublimation Fastness ISO 105 PO1 Dry heat for 30 Sec.	Washing Fastness ISO 105 CO3	pH Range	Migration(%)	bluesign®APPROVED
				As per ISO 105 BO2	180° C COS SOP	PES CO NY			
DISPERSE MD SERIES	Economical Range of Medium-Energy Bright Shade Dyes. Optimized Rapid Dyeing-Both Exhaust&Continuous. Excellent build - up Properties Good reproducibility and all - round Colour Fastness.								
	Yellow MD	1.0	SE	6-7	4 3-4	4-5 4-5 4	3-7	48	
	Yellow Brown MD	1.0	S	7	5 4-5	5 4-5 4	3-7	48	bs
	Scarlet MD	1.0	SE	5-6	4-5 4	5 4-5 4	3-9	48	
	Cherry MD	1.0	S	5-6	5 4	5 4-5 4	3-9	48	
	Red MD	1.0	S	5-6	5 4-5	4 4-5 3	3-9	48	
	Rubine MD	1.0	SE	5-6	4 3-4	4-5 4-5 3-4	3-6	48	bs
	Blue MD	1.0	SE	5-6	4-5 4	4 4-5 3-4	3-5	48	bs
	Royal Blue MD	1.0	SE	5-6	4-5 4	4 4-5 3-4	3-5	35	bs
	Violet MD	1.0	SE	5	4-5 4	4-5 4-5 3-4	3-7	35	bs
	Green MD	1.0	SE	5-6	4-5 4	4-5 4-5 4	3-7	48	bs
	Navy MD	2.0	E	5	3-4 3	4 4-5 3	3-9	48	bs
	Black MD	2.0	E	5-6	3-4 3	4-5 4-5 3	3-9	48	bs

S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

IMColor® Disperse & Reactive Dyes/Disperse & Reactive Dyes	
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IMColor® Disperse & Reactive Dyes		FASTNESS PROPERTIES										
Pattern	Product Name & C.I Number	Depth % (OWF)	Light Fastness at 1/1 RSD (XENON Arc Lamp)		Sublimation Fastness ISO 105 PO1 Dry heat for 30 Src.		Perspiration Fastness ISO 105 CO4		Rubbing Fastness AATCC 8	pH Range	bluesign® APPROVED	
			As per ISO 105 B02	180° C COS SOP	Acidic Alkaline		Dry					
					PES	PES						
					CO NY	CO NY						
								Wet				
LUMINOUS SERIES	Fluorescent Dyes for Bright Shades for Dyeing and as illuminants in Printing.											
	Conforms to the EN-471 specifications for High-Visibility work clothing.											
	Conforms to the EN-1150 specifications for High-Visibility Leisure and Sports Clothing.											
	Robust to everyday processing variations.											
	Yellow * E10GN Yellow 184.1	1.0	3-4	4-5 4	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	3-5	bs			
	Yellow E8GF Yellow 82	1.0	3-4	4-5 4	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	3-5	bs			
	Orange C4GN	1.0	3	4-5 4	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	3-5	bs			
	Red J	1.0	2	4-5 3-4	4-5 4-5 3	4-5 4-5 3	4 4	4-7	bs			
	Red EG* Red 277	1.0	3	4-5 4	4-5 4-5 3	4-5 4-5 3	4 4	4-7	bs			
	Pink * ERBSF Red 362	1.0	3-4	5 4-5	4-5 4-5 3-4	4-5 4-5 3-4	4-5 4-5 4-5	4-5	bs			
	Pink 5BN Red 364	1.0	3-4	3-4 2-3	4-5 4-5 3	4-5 4-5 3	4 4	3-5	bs			
	Cyanine Pink Proprietary	1.0	3	5 4-5	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	3-5	bs			
	Red Violet XF Proprietary	1.0	2-3	5 4-5	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	4-5	bs			
	Pink BRF 300% Proprietary	1.0	2	5 4-5	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	4-5	bs			
	Cyanine Violet XF Proprietary	1.0	2	5 4-5	4-5 4-5 4	4-5 4-5 4	4 4	4-5	bs			
	Blue CB EX - Conc	1.0	2	5 4-5	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	4-5	bs			
	Blue * EGRXF	1.0	3-4	5 4-5	4-5 4-5 4	4-5 4-5 4	4-5 4-5 4	4-5	bs			

*Different Streight Options Available

 Disperse & Reactive Dyes/ST		FASTNESS PROPERTIES							
Pattern	Product Name	Depth % (OWF)	Light Fastness at 1/1 RSD (Xenon Arc Lamp)	Sublimation Fastness ISO 105 PO1 Dry heat for 30 Sec.	Washing Fastness ISO 105 CO3	Water Fastness AATCC 107 - 1997	pH Range	Migration(%)	bluesign®APPROVED
			As per ISO 105 B02	180° C COS SOP	PES CO NY	PES CO NY			
DISPERSE HW SERIES	Designed for good all - round Fastness.								
	Minimum staining to Nylon.								
	Good Thermomigration.								
	Low cross - staining & wide application in various blended fabrics.								
	Yellow HW-6GSL	1.0	7	5 4-5	4-5 5 4-5	4-5 5 4-5	4-5	45	bs
	Golden Yellow HW - 3R	1.0	6-7	4-5 4	4-5 5 4	4-5 5 4	3-5	45	bs
	Orange HW - F	1.0	6-7	4-5 4	4-5 5 4-5	4-5 5 4-5	4-5	40	bs
	Red HC - 4G	1.0	6	4-5 4	4-5 5 4-5	4-5 5 4-5	4-5	45	bs
	Red HW - 4BS	1.0	7	5 4-5	5 5 4-5	5 5 4-5	3-8	45	bs
	Red HW - 2BS	1.0	7	5 4	4-5 5 4-5	4-5 5 4-5	4-5	45	bs
	Violet EHW - TER	1.0	7	5 4-5	4-5 5 4-5	4-5 5 4-5	4-5	40	bs
	Violet HW - 5RB	1.0	6	4-5 4	4-5 5 4-5	4-5 5 4-5	4-5	40	
	Violet HW - 3RS	1.0	6	4 4	4-5 5 4-5	4-5 5 4-5	4-6	40	bs
	Royal Blue HW - 3RF	1.0	6	5 4-5	5 5 4-5	5 5 4-5	3-8	45	bs
	Blue HW - BLS	1.0	6	5 4-5	4-5 5 4-5	5 5 4-5	3-5	45	bs
	Blue EHW - TER	1.0	6	4-5 4	4-5 5 4-5	4-5 5 4-5	4-5	45	bs
	Blue HW - 3GS	1.0	6	5 4-5	4-5 5 4-5	5 5 4-5	3-5	45	bs
	Blue HW - 10GS	1.0	6	5 4-5	4-5 5 4-5	5 5 4-5	3-5	45	bs
	Navy HW - F	2.0	6	5 4-5	4-5 5 4-5	4-5 5 4-5	4-5	45	bs

IMColor® Disperse & Reactive Dyesulf		FASTNESS PROPERTIES									
Pattern	Product Name & C.I Number	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (Xenon Arc Lamp)	Sublimation Fastness ISO 105 PO1 Dry heat for 30 Sec.	Washing Fastness ISO 105 CO3	pH Range	Migration(%)	bluesign® APPROVED		
				As per ISO 105 BO2	180° C	PES					
				COS ISO 90	CO NY	CO NY					
DISPERSE GENERAL SERIES	Standard Dyes Covering Entire Gamut of Shades.										
	Includes Dyes based on Azo & Anthraquinone & their Rational Mixtures.										
	Special Type of Chromophore Range.										
	Yellow SG H/Conc Yellow 114	1.0	S	7	5 4-5	4-5 5 4-5	4-5	48	bs		
	Yellow SGL Yellow 114.1	1.0	S	7	5 4-5	4-5 5 4-5	4-5	48	bs		
	Yellow C4G Yellow 79	1.0	SE	7	4-5 4	4-5 4-5 4-5	3-9	48	bs		
	Yellow 5GL Yellow 241	1.0	SE	6-7	4-5 4	4-5 4-5 4	3-7	48			
	Yellow C5G Yellow 119	1.0	SE	6-7	4-5 4	4-5 4-5 4	3-5	48	bs		
	Yellow * E4GLS 300% Yellow 211	1.0	SE	6-7	4-5 4	4-5 4-5 4	3-5	48	bs		
	Yellow E3GE Yellow 54	1.0	E	7	4 3	4-5 4-5 4	3-9	45			
	Yellow 3G Yellow 64	1.0	SE	7	4-5 4	4-5 4-5 4	3-9	45	bs		
	Golden Yellow 2GD Yellow 247	1.0	SE	5-6	4-5 4	4-5 4-5 4	3-9	45			
	Golden Yellow 2GNN	1.0	SE	5-6	4-5 4	4-5 4-5 4	3-5	45	bs		
	Yell.Brown* 2RFL 150% Orange 30	1.0	S	7	5 4-5	5 5 4	3-5	48	bs		
	Orange SG Orange 73	1.0	S	6	5 4-5	4-5 4-5 4	3-9	45			
	Orange S2R Orange 31	1.0	SE	6-7	4-5 4	4-5 4-5 4	3-7	45	bs		
	Orange GL Orange 29	1.0	SE	6-7	4-5 4	4-5 4-5 4	3-9	45	bs		
	Orange 4RL Orange 41	1.0	S	5-6	5 4-5	4-5 5 4	4-6	45			

*Different Streight Options Available.

S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

		FASTNESS PROPERTIES							
Pattern	Product Name & C.I Number	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (Xenon Arc Lamp) As per ISO 105 BO2	Sublimation Fastness ISO 105 PO1 Dry heat for 30 Src. 180° C CO5 SOP	Washing Fastness ISO 105 CO3 PES CO NY	pH Range	Migration(%)	bluesign®APPROVED
	Orange 4R - SF Orange 42	1.0	S	5	5 4-5	4-5 4	3-8	40	
	Orange 3R H/Conc Orange 44	1.0	S	6	5 4-5	5 5 4	3-9	48	bs
	Orange R Orange 80	1.0	S	6	5 4-5	5 5 4	3-9	45	bs
	Yellow Br. REL Orange 61	1.0	S	6	5 4-5	5 5 4	3-5	48	
	Orange * H3R 200% Orange	1.0	E	5-6	3 2-3	5 4-5 4	3-9	48	bs
	Scarlet CRR Red 54	1.0	S	6	5 4-5	5 4-5 4	3-7	48	
	Scarlet 3R 150% Red 50	1.0	E	6	4 3	5 4-5 4	3-9	48	bs
	Scarlet* EGS Red 153	1.0	SE	5-6	4-5 4	5 4-5 4	3-9	40	
	Scarlet BR Red 74	1.0	SE	5-6	5 4	5 4-5 4	3-5	40	bs
	Scarlet GR Red 200	1.0	S	7	5 4-5	5 4-5 4	3-5	45	
	Red SRGL Red 202	1.0	S	7	5 4-5	5 4-5 4	3-5	48	bs
	Pink GREL 200% Red 91	1.0	SE	6-7	4-5 4	5 4-5 4	3-8	25	bs
	Red BF* 200% Red 60	1.0	E	7	4 2-3	4-5 4-5 4	3-9	30	bs
	Red FX 100%	1.0	S	6	5 4	5 4-5 4	3-6	45	
	Red FRL Red 177	1.0	S	5-6	5 4-5	5 4-5 4	3-5	45	bs
	Red TSF Red 274	1.0	S	7	5 4-5	5 4-5 4	3-5	45	bs
	Red EBS* Red 152	1.0	S	5-6	5 4	5 4-5 4	3-9	48	

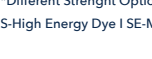
*-Different Strenght Options Available.

S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

IMColor® Disperse & Reactive Dye stuff		FASTNESS PROPERTIES								
Pattern	Product Name & C.I Number	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (Xenon Arc Lamp)	Sublimation Fastness ISO 105 P01 Dry heat for 30 Sec.	Washing Fastness ISO 105 C03	pH Range	Migration(%)	bluesign® APPROVED	
				As per ISO 105 B02	180° C	PES				
				CO SOP	CO NY	CO NY				
	Red F3B * 150% Red 343	1.0	S	4	5 4-5	5 4-5 4	3-9	45	bs	
	Dark Red FL H/Conc Red 65	1.0	S	6	5 4-5	4 4 3-4	3-9	45		
	Rubine * S2 GFLI H/Conc Red 167.1	1.0	S	7	5 4-5	4 4-5 4	3-9	48	bs	
	Rubine GFL 200% Red 73	1.0	SE	5-6	4-5 4	4-5 4-5 3-4	3-5	48	bs	
	Rubine C2R Red 179	1.0	SE	5-6	4-5 4	4-5 5 4	4-8	45	bs	
	Rubine 2BLS Red 145	1.0	SE	6-7	4-5 4	4-5 5 4	4-6	48		
	Rubine 2BN* Ex. Conc Red 13	1.0	E	5	4 3	4-5 4-5 4	3-9	48	bs	
	Red 2BS Red 184	1.0	S	5	5 4-5	4-5 4-5 4	3-9	45	bs	
	Red 6B	1.0	E	5	4 3-4	4-5 4 3	3-9	48	bs	
	Red 4B	1.0	SE	4	4-5 4	4-5 4-5 3	3-9	48	bs	
	Red BBL Red 82	1.0	SE	6-7	4-5 4	4-5 5 4	4-6	45	bs	
	Brown 3RSF H/Conc Brown 1-Eco	1.0	S	5-6	5 4-5	4 4-5 4	3-7	48	bs	
	Brown 3REL-N	1.0	S	6	5 4-5	4-5 4-5 4	3-7	48	bs	
	Rubine 3B 200% Violet 33	1.0	S	6	5 4-5	4-5 4-5 4	3-5	45		
	Rubine 5B H/Conc Violet 96	1.0	E	5	4 3	4-5 4-5 3	3-9	48	bs	
	Red Violet FBL 200% Violet 26	1.0	SE	6	4-5 4	4 4 3	3-9	30		
	Violet 2RL Violet 28	1.0	SE	6	4-5 4	4 4 3	3-9	40		

*Different Streight Options Available.

S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

		FASTNESS PROPERTIES							
Pattern	Product Name & C.I Number	Depth % (OWF)	Class of Dyes	Light Fastness at 1/1 RSD (XENON Arc Lamp) As per ISO 105 BO2	Sublimation Fastness ISO 105 PO1 Dry heat for 30 Sec. 180° C CO5 SOP	Washing Fastness ISO 105 CO3 PES CO NY	pH Range	Migration(%)	bluesign®APPROVED
	Violet * E3R Conc Violet 99	1.0	SE	5	4 4	4-5 4-5 4	3-9	25	bs
	Violet S3R Violet 63	1.0	S	5	5 4-5	4-5 4-5 4	3-9	40	
	Blue 4R * H/Conc Violet 93	1.0	E	5-6	4 3	4 4-5 3-4	3-9	45	bs
	Blue BG * 200% Blue 60	1.0	S	7	4-5 4	4-5 4-5 4	3-9	48	
	Blue SBG Ex. Conc	1.0	S	3	5 4-5	4-5 4-5 3-4	3-4.5	20	
	Lunar T.Blue XIGL	1.0	S	2-3	5 4-5	4-5 4-5 4	4-5	15	
	Blue SR * 300% Blue 354	1.0	S	2-3	5 4-5	4-5 4-5 4	4-5	15	bs
	Blue 2RX * Blue 56	1.0	E	7	4 3	4 4-5 2-3	3-9	30	
	Blue ER * 150%	1.0	SE	5-6	4-5 4	4 4-5 3	3-7	35	bs
	Blue 2R Conc Blue 183	1.0	SE	5-6	4-5 4	4-5 4-5 4	3-9	25	bs
	Blue H3R * Blue 183.1	1.0	SE	5-6	4-5 4	4-5 4-5 4	3-9	40	bs
	Blue F2GS Blue 367	1.0	S	6	5 4-5	4-5 4-5 4	3-7	45	bs
	Blue DBR * 400% Blue 366	1.0	SE	5-6	4-5 4	4-5 4-5 3-4	3-5	45	bs
	Blue BGFS H/Conc Blue 73	1.0	S	7	5 4-5	4-5 4-5 4	3-9	35	
	Blue GLS 400% Blue 165	1.0	S	5-6	5 4-5	4 4-5 3-4	4-5	25	bs
	Blue 5G Blue 149	1.0	S	5-6	5 4	4-5 4-5 4	3-5	45	
	Blue 6G * H/Conc Blue 291	1.0	E	5	3-4 3	4-5 4-5 4	3-5	40	bs

*Different Streight Options Available.

S-High Energy Dye | SE-Medium Energy Dye | E-Low Energy Dye.

 Disperse & Reactive Dyes/		FASTNESS PROPERTIES								
Pattern	Product Name & C.I Number	Depth % (OWF)	Class of Dyes	As per ISO 105 BOZ	Light Fastness at 1/1 RSD (Xenon Arc Lamp)	Sublimation Fastness ISO 105 PO1 Dry heat for 30 Sec.	Washing Fastness ISO 105 CO3	pH Range	Migration(%)	bluesign® APPROVED
				COS SOP	180° C	PES CO NY				
	Blue 3RT Blue 148	1.0	SE	6	4-5 4	4-5 4-5 4	3-7	45	bs	
	Blue 3RN	1.0	SE	5-6	4-5 4	4 4-5 3-4	3-9	35	bs	
	Navy Blue * S2G Blue 79.1	2.0	S	5	5 4-5	4-5 4-5 3-4	4-5	45	bs	
	Navy Blue * E-MGR	2.0	E	5	3-4 3	4 4-5 3	3-9	48		
	Brown SBRL	2.0	S	5-6	5 4-5	4-5 4-5 3-4	3-5	45	bs	
	Brown CBS 150%	2.0	S	5-6	5 4-5	4-5 4-5 3-4	3-5	45		
	Black RX.* Ex.Conc	2.0	E	5-6	3-4 3	4-5 4-5 3	3-9	48	bs	
	Black CRLS	2.0	S	5-6	5 4-5	4-5 4-5 4	3-5	45		

*Different Streight Options Available.
S-High Energy Dye I SE-Medium Energy Dye I E-Low Energy Dye.