h ISO 9001 : 14001 Certified Company

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Dyestuff Industries Pvt. Ltd.

Introduction

We at NOVA Dyestuff offers an exclusive range of Disperse Dyes. Our DISPERSE range of disperse dyes include many speciality products like Luminous dyes and Cyanine dyes range of applications.

Most of our Disperse Dyes meet the requirements of International Eco Laws.

This Folder illustrates NOVASPERSE disperse dyestuffs on 100% texturised polyester fabric by dyeing at different concentration and end use.

NOVASPERSE dyes are characterised by their high degree of dispersion and are specially suitable for dyeing and printing of polyester in various form either alone or as a mixture with other fibres. NOVASPERSE dyes provide high tinctorial power, good levelling effect and reproducibility for dyeing and printing.

NOVASPERSE dyes can be divided into three types according to their application properties and temperature.

S Type (High Engergy Disperse Dyes) : This type is distinguished by good sublimation fastness, fairly good levelling and it is suitable for heavy shades.

SE 'Type (Medium Engergy Disperse Dyes) : This type is distinguished by good moderate sublimation fastness, and is suitable for selective application on polyester and its blends.

E Type (Low Engergy Disperse Dyes) : This type is noted with its good levelling, poor sublimation and it is suitable dor medium light shade.

unless due precaution is exercised in dyeing, following dyes, tend to produce unlevelness in exhaust dyeing .

Novasperse Yellow 1OGNNovasperse Blue DBR Conc.

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Dyeing on Polyester

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Dyestuff Industries Pvt. Ltd.

Novasperse	Rate of Dyeing	Saturation
Lumi. Yellow 10GN Disp. Yellow 184.1 0.25% 1.00%		
Brill. Blue CB 0.25% 1.00%		
Brill Blue GRXF 0.25% 1.00%		
Cyanine Pink 0.25% 1.00%		
Pink C-BR 0.25% 1.00%		
Magenta C2R 0.25% 1.00%		
Purple C3B 0.25% 1.00%		
Lumi. Pink 5BN 0.25% 1.00%		
Brill. Violet C-BG 0.25% 1.00%		

	DYEING PROPERTIES			DYEING PROPERTIES					PRINTING PROPERTIES				FASTNESS PROPERTIES								
	PROCESS SUITABILITY			AFFINITY TO OTHER FIBRES			pH STABILITY	ALKALINE DYG					LIGHT FASTNESS		SUBLIMATION FASTNESS		WASHING FASTNESS			PERSPIRATION FASTNESS		
															DRY HEAT 30 SEC.		ISO 105-C06 C25 60°C POST SET 30 SEC. AT 180°C PES 100%			ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100%		
ENERGY LEVEL	HIGH TEMP	CARRIER DYG	PRINTING	ACETATE	NYLON	ACRYLIC			PRESSURE STEAMING	HIGH TEMP. STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY	AATCC 16E 20AFU	ISO 105 BO2	170°C	210°C	CO	PA	PE	CO	PA	PE
H	S	NS	S	H	H	M	4-5	NS	S	S	200-210	ND	3	5	4	3-4	4-5	4	4	4-5	4	4-
H	S	NS	S	M	M	L	4-4.5	NS	S	S	200-210	D	2-3	4	4-5	4	4	4-5	4	4-5	4	4-
H	S	NS	S	M	M	L	4-5	NS	S	S	200-210	NS	3-4	4-5	4	3-4	4	4-5	4	4	4-5	4
H	S	NS	S	H	H	M	4-5	NS	S	S	200-210	NS	5	6	4-5	4	4-5	3	4-5	4	4-5	4
H	S	NS	S	H	M	L	4-5	NS	S	S	200-210	NS	3	4	4	3-4	4	4-5	4	4-5	4	4
H	S	NS	S	H	H	L	4-5	NS	S	S	200-210	NS	2-3	4	4	3	4-5	4	4-5	4-5	4	4
H	S	NS	S	M	M	L	4-5	NS	S	S	200-210	D	5	5	4	3-4	4	4-5	4	4-5	4	
L	S	S	NS	H	M	L	4-5	NS	LS	NS	200-210	ND	3	5	2-3	2	4-5	3	4-5	4-5	4-5	
H	S	NS	S	M	M	L	4-5	NS	S	S	200-210	D	2-3	4	4-5	4	4	4-5	4	4-5	4	4

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Dyeing on Polyester

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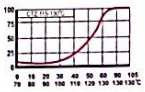
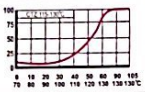
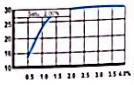
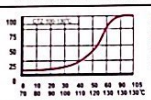
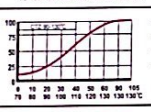
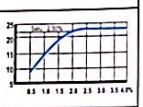
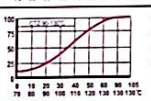
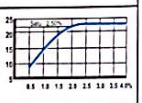
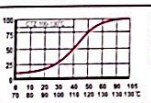
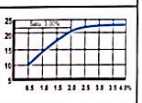
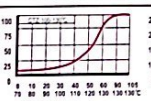
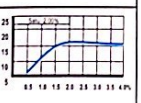
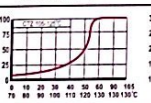
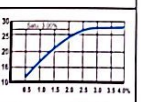
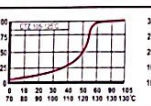
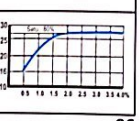
Novasperse	Rate of Dyeing	Saturation
Brill. Yellow SG H/C Disp. Yellow 114 0.25% 1.00%		
Brill. Yellow SGL 200% 0.25% 1.00%		
Brill. Yellow CGN 0.25% 1.00%		
Yellow 7GEN 0.25% 1.00%		
Yellow C4G H/C Disp. Yellow 79 0.25% 1.00%		
Yellow 5GD 0.25% 1.00%		
Yellow 8GD 6 GN 0.25% 1.00%		
Yellow 4G 200% C.I. DISPERSE YELLOW 236 0.25% 1.00%		
Yellow 4GLS Disp. Yellow 211 0.25% 1.00%		

ENERGY LEVEL	DYEING PROPERTIES: PROCESS SUITABILITY: HIGH TEMP	CARRIER DYG	PRINTING	DYEING PROPERTIES: AFFINITY TO OTHER FIBRES: ACETATE	NYLON	ACRYLIC	pH STABILITY	ALKALINE DYG	PRINTING PROPERTIES: PRESSURE STEAMING	HIGH TEMP. STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY	FASTNESS PROPERTIES: LIGHT FASTNESS: AATCC 16E 20AFU	ISO 105 B02	SUBLIMATION FASTNESS: DRY HEAT 30 SEC. 170°C	210°C	WASHING FASTNESS: ISO 105-C06 C2S 60°C POST SET 30 SEC. AT 180°C PES 100% CO	PA	PE	PERSPIRATION FASTNESS: ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100% CO	PA	PE
M	S	LS	S	H	H	L	4-5	NS	S	S	200-210	D	4-5	6	4-5	4	4-5	4	4-5	4-5	4	4-5
M	S	LS	S	H	H	L	4-5	NS	S	S	200-210	D	4-5	6	4-5	4	4-5	4	4-5	4-5	4	4-5
M	S	LS	S	H	H	L	4-5	NS	S	S	200-210	-	4-5	6	4-5	4	4-5	4	4-5	4-5	4	4-5
M	S	LS	S	H	H	L	4-5	NS	S	S	200-210	D	4-5	6	4-5	4	4-5	4	4-5	4-5	4	4-5
M	S	LS	S	H	H	L	4-5	NS	S	S	200-210	D	4-5	6	4-5	4	4-5	4	4-5	4-5	4	4-5
M	S	NS	S	H	H	M	4-5	NS	S	S	190-200	D	4	4-5	3	2-3	4-5	4	4-5	4-5	4	4-5
M	S	S	S	H	H	M	4-9	S	S	S	190-200	D	4-5	6-7	3	2-3	4-5	4	4-5	4-5	4	4-5
M	S	S	S	H	H	M	4-9	S	S	S	190-200	D	4-5	6-7	3	2-3	4-5	4	4-5	4-5	4	4-5
M	S	S	S	H	H	M	4-9	S	S	S	190-200	D	4-5	6-7	3	2-3	4-5	4	4-5	4-5	4	4-5

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Dyeing on Polyester

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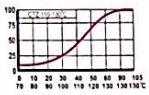
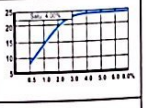
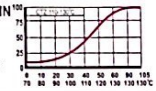
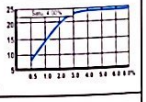
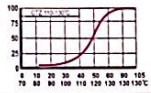
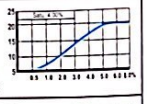
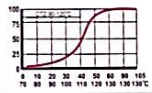
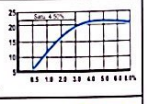
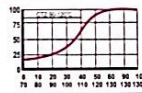
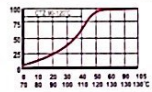
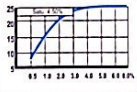
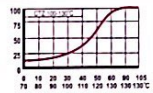
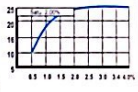
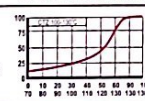
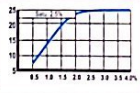
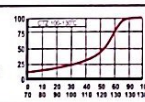
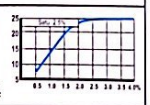
Dyestuff Industries Pvt. Ltd.

Novasperse	Rate of Dyeing	Saturation
Golden Yellow 2GN Disp. Yellow 56 0.25% 1.00%		
Golden Yellow 2GNN 0.25% 1.00%		
Golden Yellow GNR 0.25% 1.00%		
Golden Yellow 2R H/C 0.25% 1.00%		
Yellow Brown REL/2RC Disp. Orange 30 0.25% 1.00%		
Yellow Brown 2RC H/C Disp. Orange 30 0.25% 1.00%		
Orange RL 200% Disp. Orange 25 0.25% 1.00%		
Orange 3R Disp. Orange 44 0.25% 1.00%		
Orange 3R 150% Disp. Orange 44 0.25% 1.00%		

	DYEING PROPERTIES			DYEING PROPERTIES					PRINTING PROPERTIES				FASTNESS PROPERTIES									
	PROCESS SUITABILITY			AFFINITY TO OTHER FIBRES			pH STABILITY	ALKALINE DYG					LIGHT FASTNESS		SUBLIMATION FASTNESS		WASHING FASTNESS			PERSPIRATION FASTNESS		
ENERGY LEVEL	HIGH TEMP	CARRIER DYG	PRINTING	ACETATE	NYLON	ACRYLIC			PRESSURE STEAMING	HIGH TEMP. STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY	AATCC 16E 20AFU	ISO 105 BO2	DRY HEAT 30 SEC.		ISO 105-C06 C25 60°C POST SET 30 SEC. AT 180°C PES 100%			ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100%		
															170°C	210°C	CO	PA	PE	CO	PA	PE
M	S	LS	S	H	H	M	4-5	S	S	S	190-200	D	4	5-6	4	3-4	4-5	4-5	4	4-5	4	4-5
M	S	LS	S	H	H	M	4-5	S	S	S	190-200	D	4	5-6	4	3-4	4-5	4-5	4	4-5	4	4-5
M	S	LS	S	H	H	M	4-5	S	S	S	190-200	D	4	5-6	4	3-4	4-5	4-5	4	4-5	4	4-5
M	S	LS	S	H	H	M	4-5	S	S	S	190-200	D	4	5-6	4	3-4	4-5	4-5	4	4-5	4	4-5
H	S	LS	S	H	M	L	4-5	LS	S	S	200-210	D	4-5	6-7	4	3-4	5	4	5	4-5	4	4-5
H	S	LS	S	H	M	L	4-5	LS	S	S	200-210	D	4-5	6-7	4	3-4	5	4	5	4-5	4	4-5
L	S	S	NS	H	H	M	3-9	S	S	NS	NS	D	4	6	2-3	2	4-5	4-5	4	5	4-5	5
H	S	NS	S	H	M	M	4-5	S	NS	S	200-210	D	4-5	6	4	3-4	5	4	5	5	4-5	4-5
H	S	NS	S	H	M	M	4-5	S	NS	S	200-210	D	4-5	6	4	3-4	5	4	5	5	4-5	4-5

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Dyeing on Polyester

NOVA

Dyestuff Industries Pvt. Ltd.

Novasperse	Rate of Dyeing	Saturation	ENERGY LEVEL	DYEING PROPERTIES: PROCESS SUITABILITY: HIGH TEMP	CARRIER DYG	PRINTING	DYEING PROPERTIES: AFFINITY TO OTHER FIBRES: ACETATE	NYLON	ACRYLIC	pH STABILITY	ALKALINE DYG	PRINTING PROPERTIES: PRESSURE STEAMING	HIGH TEMP.-STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY	FASTNESS PROPERTIES: LIGHT FASTNESS: AATCC 16E 20AFU	ISO 105 BO2	SUBLIMATION FASTNESS: DRY HEAT 30 SEC. 170°C	210°C	WASHING FASTNESS: ISO 105-C06 C25 60°C POST SET 30 SEC. AT 180°C PES 100% CO	PA	PE	PERSPIRATION FASTNESS: ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100% CO	PA	PE
Scarlet RR Disp. Red 54 0.25% 1.00%			H	S	NS	S	H	H	L	3-5	NS	S	S	200-210	D	4	6	4	3	4-5	4	5	5	4	5
Scarlet 2RC H/C Disp. Red 54 0.25% 1.00%			H	S	NS	S	H	H	L	3-5	NS	S	S	200-210	D	4	6	4	3	4-5	4	5	5	4	5
Scarlet 3R 150% Disp. Red 50 0.25% 1.00%			L	S	S	NS	H	H	L	3-9	S	NS	NS	NS	D	4-5	6	3	2-3	4-5	4-5	4	5	4-5	5
Scarlet BR Disp. Red 74 0.25% 1.00%			M	S	NS	S	H	H	L	4-4.5	NS	S	S	200-210	D	4	4	5	3-4	4-5	4	4-5	4-5	4	4-5
Brown 3REL 150% Disp. Brown 1 0.25% 1.00%			H	S	NS	S	H	H	L	3-6	NS	S	S	200-210	D	4	5-6	4-5	4	4-5	4	4-5	4-5	4	4-5
Brown 3REL-NN 0.25% 1.00%			H	S	NS	S	H	H	L	3-6	NS	S	S	200-210	D	4	5-6	4-5	4	4-5	4	4-5	4-5	4	4-5
Brown 3RFS H/C 0.25% 1.00%			H	S	NS	S	H	H	L	3-6	NS	S	S	200-210	D	4	5-6	4-5	4	4-5	4	4-5	4-5	4	4-5
Brill. Red RGL Disp. Red 202 0.25% 1.00%			H	S	LS	S	H	H	M	4-5	NS	S	S	200-210	D	6	4	4	3-4	4	4-5	4-5	5	4-5	5
Red F3BS Disp. Red 343 0.25% 1.00%			H	S	NS	S	H	H	M	4-5	NS	S	S	200-210	D	4-5	4	3-4	3	4	4-5	4	4	4-5	4

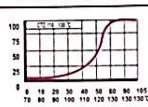
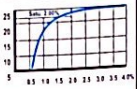
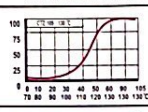
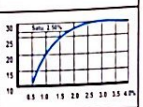
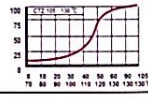
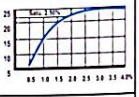
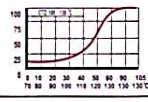
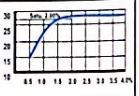
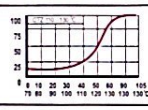
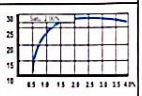
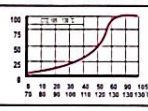
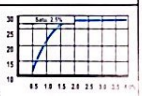
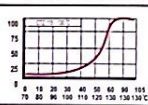
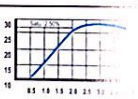
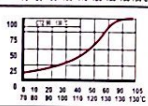
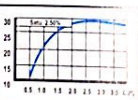
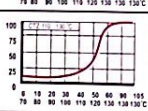
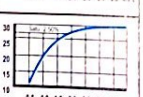
Scanned with CamScanner

Imagination Unlimited...

Dyeing on Polyester

NOVA

Dyestuff Industries Pvt. Ltd.

Novasperse	Rate of Dyeing	Saturation
Red F3BL 0.25% 1.00%		
Dark Red 2B Disp. Red 167 0.25% 1.00%		
Rubine BL Disp. Red 167:1 0.25% 1.00%		
Rubine 2G Disp. Red 73 0.25% 1.00%		
Rubine 3B 200% Disp. Violet 33 0.25% 1.00%		
Red R / 6B 0.25% 1.00%		
Red Violet FBL 200% Disp. Violet 26 0.25% 1.00%		
Violet 5R 0.25% 1.00%		
Violet 3R CONC Disp. Violet 99 0.25% 1.00%		

	DYEING PROPERTIES			DYEING PROPERTIES					PRINTING PROPERTIES				FASTNESS PROPERTIES								
	PROCESS SUITABILITY			AFFINITY TO OTHER FIBRES			pH STABILITY	ALKALINE DYG					LIGHT FASTNESS		SUBLIMATION FASTNESS		WASHING FASTNESS			PERSPIRATION FASTNESS		
															DRY HEAT 30 SEC.		ISO 105-C06 C25 60°C POST SET 30 SEC. AT 180°C PES 100%			ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100%		
ENERGY LEVEL	HIGH TEMP	CARRIER DYG	PRINTING	ACETATE	NYLON	ACRYLIC			PRESSURE STEAMING	HIGH TEMP. STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY	AATCC 16E 20AFU	ISO 105 B02	170°C	210°C	CO	PA	PE	CO	PA	PE
M	S	NS	S	H	H	M	4-5	NS	S	S	200-210	D	5-6	4	3-4	3	4	4-5	4	4-5	4	4-5
H	S	NS	S	H	H	M	4-5	S	S	S	200-210	D	6-7	4-5	4	4	4	4-5	4	4-5	4	4-5
H	S	NS	S	H	H	M	4-5	S	S	S	200-210	D	6-7	4-5	4	4	4	4-5	4	4-5	4	4-5
M	S	LS	S	H	H	M	4-5	NS	S	NS	190-200	D	4-5	6	4	3	4	4-5	4	4	4-5	4
H	S	NS	S	H	H	M	4-5	NS	S	S	200-210	D	4-5	6	4-5	4	4	4-5	4	4-5	4	4-5
L	S	S	NS	H	H	L	3-9	S	LS	NS	NS	D	4-5	6	2-3	2	4	4-5	4	4-5	4	4-5
M	S	NS	S	H	H	L	3-9	S	S	S	190-200	ND	4-5	6	3	2-3	4	4-5	4	4-5	4	4-5
L	S	S	NS	H	H	L	3-9	S	NS	NS	NS	D	3	5	3	2-3	3	4-5	4	4-5	3	4-5
M	S	NS	S	H	H	L	3-9	S	S	S	190-200	D	3-4	5-6	4-5	4	4-5	3-4	4-5	4-5	3-4	4-5

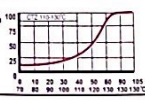
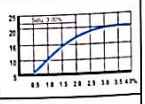
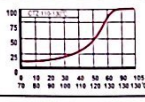
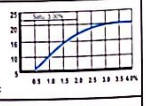
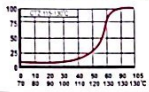
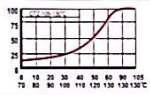
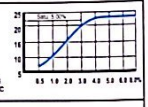
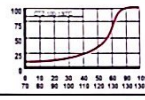
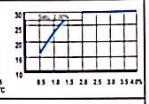
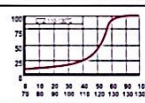
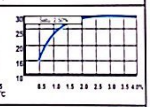
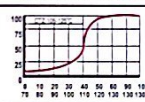
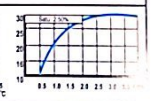
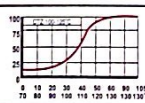
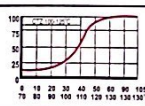
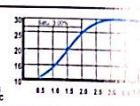
Scanned with CamScanner

Imagination Unlimited...

Dyeing on Polyester

NOVA

Dyestuff Industries Pvt. Ltd.

Novasperse	Rate of Dyeing	Saturation
Brill. Blue BG 200% Disp. Blue 60 0.25% 1.00%		
Brill. Blue BGA 0.25% 1.00%		
Brill. Blue SR 200% Disp. Blue 354 0.25% 1.00%		
Brill. Blue BRSL 0.25% 1.00%		
Brill. Blue GSL 400% Disp. Blue 165 0.25% 1.00%		
Blue 2R Conc Disp. Blue 183 0.25% 1.00%		
Brill. Blue DBR Conc Disp. Blue 366 0.25% 1.00%		
Blue 2RX Disp. Blue 56 0.25% 1.00%		
Blue RNB 0.25% 1.00%		

14

DYEING PROPERTIES				DYEING PROPERTIES					PRINTING PROPERTIES				FASTNESS PROPERTIES									
PROCESS SUITABILITY				AFFINITY TO OTHER FIBRES			pH STABILITY	ALKALINE DYG					LIGHT FASTNESS		SUBLIMATION FASTNESS		WASHING FASTNESS			PERSPIRATION FASTNESS		
													AATCC 16E 20AFU	ISO 105 B02	DRY HEAT 30 SEC.		ISO 105-C06 C25 60°C POST SET 30 SEC. AT 180°C PES 100%			ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100%		
ENERGY LEVEL	HIGH TEMP	CARRIER DYG	PRINTING	ACETATE	NYLON	ACRYLIC			PRESSURE STEAMING	HIGH TEMP. STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY			170°C	210°C	CO	PA	PE	CO	PA	PE
M	S	NS	S	H	H	L	3-9	S	S	S	190-200	ND	2-3	4	3-4	3	4-5	4	4	4-5	4	4
M	S	NS	S	H	H	L	3-9	S	S	S	190-200	ND	2-3	4	3-4	3	4-5	4	4	4-5	4	4
H	S	NS	S	M	M	L	4-4.5	NS	S	S	200-210	D	2-3	3-4	3	2-3	4	4-5	4	4	4-5	4
M	S	NS	S	H	H	L	4-5	NS	S	S	190-200	D	4	6	4	3-4	4	4-5	4	4	4-5	4
H	S	NS	S	H	H	L	4-5	NS	S	S	200-210	D	4	5-6	4-5	4	4	4-5	3-4	4-5	4	5
M	S	NS	S	H	H	L	4-4.5	NS	S	S	190-200	D	3-4	5-6	4	3	4-5	4	4-5	4-5	4	5
M	S	LS	LS	H	H	L	4-5	NS	S	S	180-190	D	3-4	5-6	4	3	3	4-5	4	4-5	3	4-5
L	S	S	NS	H	H	M	3-9	S	LS	NS	NS	ND	4	6	2-3	2	4	2-3	4	4	2-3	4
L	S	S	NS	H	H	M	3-9	S	LS	NS	NS	ND	4	6	2-3	2	4	2-3	4	4	2-3	4

1

Scanned with CamScanner

Imagination Unlimited...

Dyeing on Polyester

NOVA

Dyestuff Industries Pvt. Ltd.

Novasperse	Rate of Dyeing	Saturation
Navy Blue 3G 200% Disp. Blue 79 0.25% 1.00%		
Navy Blue 3G 220% Disp. Blue 79 0.25% 1.00%		
Green 2B Mix 0.25% 1.00%		
Khaki 2RBS Mix 0.25% 1.00%		
Brown 3BS 150% Mix 0.25% 1.00%		
Grey BRS Mix 0.25% 1.00%		
Black RLS 200% Mix 0.25% 1.00%		
Black BSL H/C Mix 0.25% 1.00%		

	DYEING PROPERTIES			DYEING PROPERTIES					PRINTING PROPERTIES				FASTNESS PROPERTIES									
	PROCESS SUITABILITY			AFFINITY TO OTHER FIBRES			pH STABILITY	ALKALINE DYG					LIGHT FASTNESS		SUBLIMATION FASTNESS		WASHING FASTNESS			PERSPIRATION FASTNESS		
													AATCC 16E 20AFU	ISO 105 B02	DRY HEAT 30 SEC.		ISO 105-C06 C2S 60°C POST SET 30 SEC. AT 180°C PES 100%			ALKALINE ISO 105 E04 POST SET 30 SEC. AT 180°C PES 100%		
ENERGY LEVEL	HIGH TEMP	CARRIER DYG	PRINTING	ACETATE	NYLON	ACRYLIC			PRESSURE STEAMING	HIGH TEMP. STEAMING	THERMOSOL (TEMP °C)	DISCHARGEABILITY			170°C	210°C	CO	PA	PE	CO	PA	PE
H	S	NS	S	H	H	L	4-4.5	NS	S	S	200-210	D	4	6	4	3-4	4	4-5	3-4	4-5	4	4-5
H	S	NS	S	H	H	L	4-4.5	NS	S	S	200-210	D	4	6	4	3-4	4	4-5	3-4	4-5	4	4-5
H	S	NS	S	M	M	L	4-4.5	NS	S	S	190-200	D	4	5	4-5	4	4	4-5	4	4-5	4	4-5
H	S	NS	S	M	M	L	4-4.5	NS	S	S	200-210	D	4	4-5	4	3-4	4	4-5	4	4-5	4	4-5
H	S	NS	S	M	M	L	4-4.5	NS	S	S	200-210	D	4	4-5	4	3-4	3-4	4-5	3-4	4-5	4	4-5
M	S	NS	S	H	H	L	4-4.5	NS	S	S	200-210	D	3	4	4-5	4	3-4	4-5	3-4	4-5	4	4-5
H	LS	NS	S	H	H	L	4-5	NS	S	S	200-210	D	4	6	4-5	4	4	4-5	4	4	4-5	4
M	S	NS	NS	H	H	L	4-5	NS	NS	NS	NS	D	4	6	3	2-3	3	4-5	3	4-5	3-4	4

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