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*QINGYUAN DISPERSE SERIES
FOR PE WITH HIGH-FAST*

武汉清源化学有限公司
WUHAN QINGYUAN CHEMICAL CO.,LTD.

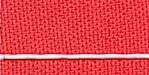
Disperse High Washing Series	sample o.w.f		light fastness	washing fastness						perspiration fastness			chlorine fastness	sublimation fastness
				ISO 105 C10 C3			AATCC 61 2A			ISO 105 E04				
	0.4%	1.6%	40H	CA	PA	PE	CA	PA	PE	CA	PA	PE	C.C.	180°C
Nobilon Bril. Yellow XF-G			4~5	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	4~5
Nobilon Yellow XF			4~5	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	4~5
Nobilon Golden Yellow XF			4~5	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	3~4
Nobilon Yellow Brown XF-XD			4	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	4
Nobilon Yellow Brown XF-GP			4	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	4~5
Nobilon Scarlet XF			4	4~5	4	5	4~5	4	4~5	4~5	4~5	4~5	4~5	4
Nobilon Sports Red XF-N			4	5	5	5	5	4~5	5	5	5	5	4~5	4~5
Nobilon Red XF-W			4	5	5	5	5	4~5	5	5	5	5	4~5	4
Nobilon Rose Red XF			4	5	5	5	5	4~5	5	5	5	5	4~5	5
Nobilon Deep Red XF			4	4~5	4~5	4~5	4	4	4~5	4	4	4	4~5	4~5
Nobilon Rubine XF-4BS			4~5	4~5	4~5	4~5	4	4	4~5	4	4	4	4~5	4~5
Nobilon Cyanine Blue B			3	4~5	4~5	5	4~5	4~5	5	5	4~5	5	4~5	5
Nobilon Turq. Blue XF-G			4~5	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	3~4
Nobilon Bri. Blue XF-2B			3	4~5	4~5	5	4~5	4~5	5	4~5	4~5	4~5	4~5	4
Nobilon Blue XF-W			4	4	4~5	4~5	4	4~5	4~5	4~5	4~5	4~5	4~5	4~5
Nobilon Navy Blue XF			4	4~5	4~5	4~5	4~5	4~5	4~5	4~5	4~5	4~5	4~5	4~5
Nobilon Navy Blue XF-D			4	4~5	4~5	4~5	4~5	4~5	4~5	4	4	4~5	4~5	4~5
Nobilon Dark Navy XF-G			4	4~5	4~5	4~5	4~5	4~5	4~5	4	4	4~5	4~5	4~5
Nobilon Black XF-H			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	3~4
Nobilon Black XF			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	3
Nobilon Black XF-W			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	3
Nobilon Black X F-HCT			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	3~4

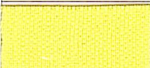
Disperse High Washing Series	sample o.w.f		light fastness	washing fastness						perspiration fastness			chlorine fastness	sublimation fastness
				ISO 105 C10 C3			AATCC 61 2A			ISO 105 E04				
	0.4%	1.6%	40H	CA	PA	PE	CA	PA	PE	CA	PA	PE	C.C.	180°C
Nobilon Black XF-WS			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	3
Nobilon Black XD			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	3~4
Nobilon Black XF-GP			4	4	4	4~5	4	4	4~5	4	4	4~5	4~5	4

Colour Sample	Allilon Disperse Dyes	DyeingDepth(o.w.f.%)	Applicability				Classification	pH Range	Fastness					Sublimation
			Carrier	H.T Dyeing	Thermosol	HTS HPS Print			Light Fastness	Washing		Rubbing		
										Color Change	Staining	Dry	Wet	
AC-E Series														
	Nobilon Yellow AC-E	0.5	⊙	⊙	-	○ △	B	4-10	6	5	4-5	4-5	5	4
	Nobilon Red AC-E	0.5	⊙	⊙	-	○ △	B	4-10	6	5	4-5	4-5	5	4
	Nobilon Blue AC-E	0.5	⊙	⊙	-	○ △	B	4-10	6	5	4-5	4-5	5	4

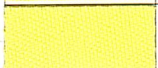
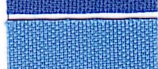
Colour Sample	Allilon Disperse Dyes	DyeingDepth(o.w.f.%)	Applicability				Classification	pH Range	Fastness					Sublimation
			Carrier	H.T Dyeing	Thermosol	HTS HPS Print			Light Fastness	Washing		Rubbing		
										Color Change	Staining	Dry	Wet	
Brillant Series/明亮色系列														
	Nobelperse Yellow 10GF	0.5	△	⊙	⊙	⊙ ⊙	C	4-6	4-5	5	4-5	5	5	4
	Nobelperse Yellow 10GN	0.5	△	⊙	⊙	⊙ ⊙	D	4-6	6	5	4-5	5	5	4-5
	Nobelperse Orange FGR	1.0	△	⊙	⊙	⊙ ⊙	D	4-5	5	5	4-5	5	5	4-5
	Nobelperse Pink RBSF	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	6	5	5	5	5	4-5
	Nobelperse Pink CY	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	5	5	4-5	4-5	3-4	5
	Nobelperse Red G	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	5	5	4-5	4-5	4-5	4-5
	Nobelperse Cyanine Blue	2.0	-	⊙	⊙	⊙ ⊙	D	4-6	5-6	4	4	4	4	4
	Nobelperse Turq. Blue SGL	2.0	-	⊙	⊙	⊙ ⊙	D	4-9	5-6	5	5	5	5	4-5
	Nobelperse Blue SR	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	4	5	4-5	5	5	5

⊙:Excellent or very suitable; ○: Good or suitable; △: Limited suitable; X: Unsuitable

Colour Sample	Allilon Disperse Dyes	DyeingDepth(o.w.f.%)	Applicability				Classification	pH Range	Fastness					Sublimation
			Carrier	H.T Dyeing	Thermosol	HTS HPS Print			Light Fastness	Washing		Rubbing		
										Color Change	Staining	Dry	Wet	
RD Series														
	Nobilon Yellow SE4G	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	6-7	4-5	4-5	4-5	4-5	4
	Nobilon Golden RD2RLN	1.0	△	⊙	⊙	⊙ ⊙	C	4-8	6	4-5	4-5	4-5	4-5	4
	Nobilon Yellow Brown S2R	1.0	○	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	5	4-5	4-5	4-5
	Nobilon Brown RD3RLS	2.5	-	⊙	⊙	⊙ ⊙	D	4-6	5	5	5	4-5	4-5	4-5
	Nobilon Brown SBRL	2.0	-	⊙	⊙	⊙ ⊙	D	4-6	5	5	5	4-5	4-5	4-5
	Nobilon Scarlet S2RP	1.0	-	⊙	⊙	⊙ ⊙	D	4-9	6-7	5	5	4-5	4-5	4-5
	Nobilon Red 2B	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	4-5	4-5	4-5	4-5
	Nobilon Red RDRLS	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	5-6	5	4-5	4-5	4-5	4-5
	Nobilon Red RBLS	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	5-6	5	4-5	4-5	4-5	4-5
	Nobilon Rubine RDGFL	1.0		⊙	⊙	⊙ ⊙	C	4-9	5-6	5	4-5	4-5	4-5	4-5
	Nobilon Rubine S2GFL	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	5-6	4-5	4-5	4-5	4-5	4
	Nobilon Turq. Blue SGB	1.0	-	⊙	⊙	⊙ ⊙	C	4-11	6-7	5	5	5	4-5	4-5
	Nobilon Blue E-2BLN	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	5	5	5	4-5
	Nobilon Blue RDGLN	2.0	-	⊙	⊙	⊙ ⊙	D	4-6	6	5	4-5	5	5	5
	Nobilon Navy Blue RDSE	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	4-5	4-5	4-5	4
	Nobilon Navy Blue S2GR	2.0		⊙	⊙	⊙ ⊙	C	4-9	7	5	4-5	4-5	5	4-5
	Nobilon Black S2BLS	2.5	△	⊙	⊙	⊙ ⊙	C	4-9	5	5	4-5	4-5	4-5	4
	Nobilon Black RVSF	2.0	-	⊙	⊙	⊙ ⊙	D	4-6	5-6	5	4-5	4-5	4-5	4-5

Colour Sample	Allilon Disperse Dyes	DyeingDepth(o.w.f.%)	Applicability				Classification	pH Range	Light Fastness	Fastness				Sublimation
			Carrier	H.T Dyeing	Thermosol	HTS HPS Print				Washing		Rubbing		
										Color Change	Staining	Dry	Wet	
Printing Series														
	Nobelperse Yellow 4G	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	6-7	4-5	4-5	4-5	4-5	4
	Nobelperse Yellow 6GL	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	6	5	5	5	5	5
	Nobelperse Golden Yellow 2RN	1.0	△	⊙	⊙	⊙ ⊙	C	4-8	6	4-5	4-5	4-5	4-5	4
	Nobelperse Orange C5R	1.5	-	⊙	⊙	⊙ ⊙	D	4-9	6	5	5	5	5	5
	Nobelperse Brown BRL	2.0	-	⊙	⊙	⊙ ⊙	D	4-6	5	5	5	4-5	4-5	4-5
	Nobelperse Scarlet RR	1.0	-	⊙	⊙	⊙ ⊙	D	4-9	6-7	5	5	4-5	4-5	4-5
	Nobelperse Red GS	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	5	4	4	4-5	4-5	4
	Nobelperse Red F3BS	0.5	-	⊙	⊙	⊙ ⊙	D	4-9	5-6	5	4-5	5	5	4
	Nobelperse Red F4B	0.5	-	⊙	⊙	⊙ ⊙	D	4-9	5-6	5	4-5	5	5	4
	Nobelperse Red BS	1.5		⊙	⊙	⊙ ⊙	C	4-9	5-6	4	4	4-5	4-5	3-4
	Nobelperse Red RBLS	1.0	-	⊙	⊙	⊙ ⊙	D	4-6	5-6	5	4-5	4-5	4-5	4-5
	Nobelperse Rubine S2GFL	1.0		⊙	○	⊙ ⊙	C	4-9	5-6	4-5	4-5	4-5	4-5	4
	Nobelperse Blue SE2R	1.0	-	⊙	○	⊙ ⊙	C	4-9	6	4-5	5	5	4-5	4-5
	Nobelperse Violet S3RL	1.0		⊙	○	⊙ ⊙	C	4-9	5	4-5	4-5	4-5	4-5	4
	Nobelperse Navy Blue S2GR	2.0	△	⊙	⊙	⊙ ⊙	C	4-9	7	5	4-5	4-5	5	4-5

⊙:Excellent or very suitable; ○: Good or suitable; △: Limited suitable; X : Unsuitable

Colour Sample	Allilon Disperse Dyes	DyeingDepth(o.w.f.%)	Applicability				Classification	pH Range	Fastness				Sublimation	
			Carrier	H.T Dyeing	Thermosol	HTS HPS Print			Light Fastness	Washing		Rubbing		
										Color Change	Staining	Dry		Wet
Comodity Series														
	Nobelperse Yellow 4G	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	6-7	4-5	4-5	4-5	4-5	4
	Nobelperse Yellow 5G	1.0	△	⊙	○	⊙ △	C	4-6	6-7	5	5	4-5	4-5	4
	Nobelperse Yellow 6G	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	6	5	5	5	5	5
	Nobelperse Yellow 8GF	0.5	△	⊙	⊙	⊙ ⊙	C	4-6	4-5	5	4-5	5	5	4
	Nobelperse Golden GG	0.5	⊙	⊙	-	-	A	4-11	6-7	4-5	3-4	4-5	4-5	2-3
	Nobelperse Golden Yellow 2R	1.0	△	⊙	⊙	⊙ ⊙	C	4-8	6	4-5	4-5	4-5	4-5	4
	Nobelperse Yellow Brown S2R	1.0	○	⊙	⊙	⊙ ⊙	C	4-9	6	4-5	4	4-5	4-5	4
	Nobelperse Red Violet FBL	1.5	○	⊙	△	⊙ ⊙	B	4-9	6-7	4-5	4-5	4-5	5	4
	Nobelperse Violet 3R	1.0	△	⊙	△	⊙ △	C	4-9	5	4-5	4-5	4-5	4-5	4
	Nobelperse Blue BBLS	0.5	△	⊙	○	⊙ ⊙	D	4-9	6	5	4-5	4-5	5	4-5
	Nobelperse Blue DBR	1.5	-	⊙	○	⊙ ⊙	C	4-9	6	4-5	5	5	4-5	4-5
	Nobelperse Blue 2BLN	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	5	5	4-5	4-5
	Nobelperse Blue E-2BLN	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	5	5	5	4-5
	Nobelperse Rubine B	1.0	○	⊙	△	⊙ ○	B	4-11	4-5	4	4	4	4	3
	Nobelperse Scarlet B	1.0	⊙	⊙	-	-	A	4-10	4-5	4-5	3	4-5	4-5	2-3
	Nobelperse Red 2B	1.0	○	⊙	-	○ △	B	4-10	6-7	4	4	4	4	3
	Nobelperse Red FB	1.0	○	⊙	-	○ △	B	4-10	6-7	4	4	4	4	3
	Nobelperse Red FBL	1.0	○	⊙	-	○ △	B	4-10	6-7	4	4	4	4	3

Colour Sample	Allilon Disperse Dyes	DyeingDepth(o.w.f.%)	Applicability				Classification	pH Range	Light Fastness	Fastness				Sublimation
			Carrier	H.T Dyeing	Thermosol	HTS HPS Print				Washing		Rubbing		
										Color Change	Staining	Dry	Wet	
Comodity Series														
	Nobelperse Red 6B	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	7	5	4-5	5	5	4-5
	Nobelperse Turq. Blue BGF	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	6-7	5	5	5	5	5
	Nobelperse Blue CC	1.0	-	⊙	⊙	⊙ ⊙	C	4-9	5-6	5	5	5	5	4-5
	Nobelperse Navy Blue EXSF	2.0	△	⊙	⊙	⊙ ⊙	D	4-6	6	5	4-5	4-5	4-5	4-5
	Nobelperse Navy Blue 3RN	1.0	△	⊙	⊙	⊙ ⊙	C	4-9	5	5	5	4-5	4-5	4
	Nobelperse Black EXSF	5.0	○	⊙	⊙	⊙ ⊙	B	4-11	5	3-4	3-4	3-4	3-4	3-4
	Nobelperse Black ECO	5.0	△	⊙	⊙	⊙ ⊙	D	4-6	5-6	5	4-5	4-5	4-5	4-5
	Nobelperse Black HWSE	3.0	-	⊙	⊙	⊙ ⊙	D	4-6	6	5	4-5	4-5	4-5	4-5
	Nobelperse Black LDB	3.0	△	⊙	⊙	⊙ ⊙	D	4-6	6	5	4-5	4-5	4-5	4-5
	Nobelperse Black SR	3.0		⊙	⊙	⊙ ⊙	C	4-9	5	5	4-5	4-5	4-5	4

⊙:Excellent or very suitable; ○: Good or suitable; △: Limited suitable; X: Unsuitable

Symbol Explanation

HT: High temperature;

HTS: High temperature steaming process;

HPS: High pressure steaming process

Group A: The dyestuffs of this group belong to low energy level dyes with excellent leveling property.

Group B: Dyestuffs, which have excellent leveling, migration covering property and suitable fastness property.

Group C: The dyestuffs of this group belong to medium energy level dyes with good sublimation fastness and leveling property.

Group D: Dyestuffs of this group belong to high energy level dyes with excellent sublimation fastness.

AC-E Series: Dyestuffs, which have excellent migration, covering and exhaustion property so that we can shorten the dyeing time efficiently by using them.



WUHAN QINGYUAN CHEMICAL CO.,LTD.

ADD : ROOM 4-2,7TH FLOOR, UNIT 8,FUXING HUIYU HONGQIAO CITY K3,NO.278
HOUHU AVENUE,JIANG'AN DISTRICT,WUHAN HUBEI CHINA.

POSTCODE : 430000

TEL : +86-27-82770893

FAX : +86-27-82770893

CONTACT : MARK LIU +86-18986015558

EMAIL : mark@shinechems.com

NOBEL TECHNO CHEM 

HEAD OFFICE PAKISTAN: Hashimpura Fateh Garh Defence Road Sialkot, 51310 Punjab
Pakistan

TEL: +92-0300-8610901/+92-0333-8610901/+92-052-3251518

EMAIL: iqbal@nobelchem.net
noblechem2006@gmail.com

WEB: www.nobelchem.net