

## Sodecron Blue LD

A low energy blue disperse dye recommended for dyeing pastel shades in combination with Yellow LD and Red LD exhibiting good leveling and light fastness profile.

### Suitability / Application:

#### Substrate:

Fiber / Yarn	-	○
Sewing threads	-	●
Piece dyeing	-	●
Micro fibers / fabric	-	●
P/C Blends - Exhaust, 2 bath	-	●
P/C Blends - Continuous	-	○
P/Elastane Blends	-	■
P/W Blends	-	●

#### Process:

##### Exhaust dyeing:

Low temperature with carrier	-	●
Carrier dyeing at 110°C	-	●
HT, 130°C	-	●
HT, Alkaline dyeing (buffered at pH 9.5)	-	●

Continuous dyeing	-	■
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Printing	-	■
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Development method in printing:

Pressure Steaming	-	●
HT Loop Steaming	-	○

Discharge printing	-	
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Dischargeable ground	-	○
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Discharge resistant illuminant	-	■
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Exhaust Dyeing  
0.50% (1/3 SD)



1.50 % (1/1 SD)



3.00% (2/1 SD)



Dyeing at 130°C for 30 min on polyester fabric at pH 4 adjusted with Levocol 4398)

### General properties:

C.T.Z.:	95 - 120°C
Leveling at 130°C:	Good
Migration:	Good
pH range for application :	3.0-9.0
Dischargeability:	Non dischargeable (Safolite)
Sensitivity to metal (Fe):	Low
Stripping method:	--
Saturation value in HTHP exhaust dyeing: (On 80D/36F polyester knit fabric)	6.50%

### Shade change under artificial light:

D 65	Inc A	F 11 (TL 84)	F02 (CWF)	UL 35
Control	R	RR	RR	RR

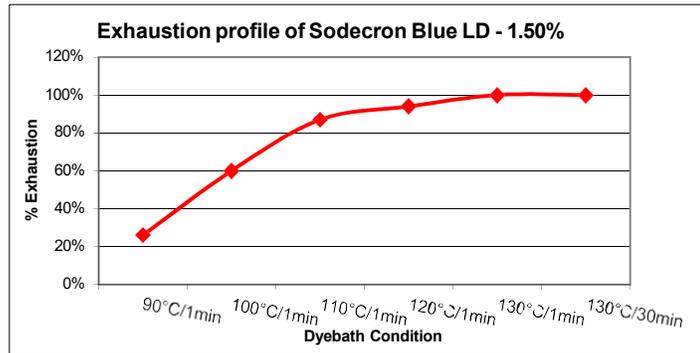
### Cross staining on other components of blends in one bath dyeing:

Substrate	CA	PAN	PA	Cellulosic	Wool
Staining in dyebath	High	High	High	Moderate	Moderate
Staining after R.C.	High	High	High	Moderate	Moderate

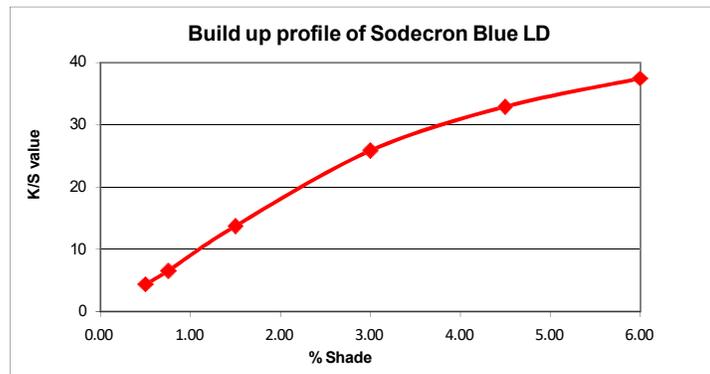
( Abbreviation: ● - Suitable, ○ - Not Suitable, ◐ - Limited suitability, ■ - Not Recommended, R - Redder,  
G - Greener, B - Bluer)

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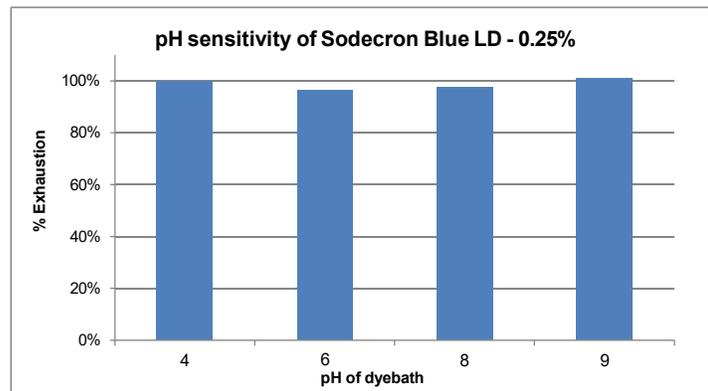
### Product Performance:



(Dyeing at different dyebath temperature on polyester fabric at pH 4 adjusted with Levocol 4398)



(Exhaust dyeing different depth at 130°C temperature for 30 min on polyester fabric at pH 4 adjusted with Levocol 4398)



(Exhaust dyeing at different pH at 130°C temp. for 30 min, Acidic pH set with Acetic acid & Alkaline pH set with Soda ash)

### Fastness Properties: (Tested on 80D/36F 100% PET Knit dyed by exhaust method)

- Light fastness (ISO 105 B02)
- Light fastness (AATCC 16, Option 3, 20 AFU)
- Sublimation fastness of 1.5% shade (ISO 105 P01, 30 Sec)

Shade change (Rating)		
0.13%	0.25%	1.50%
6	6	6
4.0	4.0	4.0

Temperature	180°C	190°C	200°C
C.O.S.	4	4	4
Staining on PET	3-4	3-4	3

## Sodecron Blue LD

**Fastness Properties:** ( Tested at 1.50% depth, on 80D/36F 100% PET Knit dyed by exhaust method and post set at 180°C for 30 Sec)

		Staining on						
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
● Wash fastness (ISO 105 C06, A2S, 40°C)		4	4	4-5	3-4	4	4-5	4-5
● Wash fastness (ISO 105 C10 C, 60°C)		4	3-4	4-5	3	4	4-5	4-5
● Wash fastness (ISO 105 C06 C2S, 60°C)		4	3-4	4	2-3	4	4-5	4-5
● Wash fastness (AATCC 61 2A 49°C)		4.0	2.0	3.5	2.0	3.5	4.5	3.5
● Dry cleaning fastness ( ISO 105 D01)		4	4-5	4-5	4-5	4-5	4-5	4-5
● Water fastness ( ISO 105 E01)		4-5	3	3-4	3	3-4	4	3-4
● Sea water fastness (ISO 105 E02)		4-5	3-4	4-5	3-4	4	4-5	4
● Chlorinated water (ISO 105 E03)	20 ppm	4						
● Chlorinated water (ISO 105 E03)	50 ppm	3-4						
● Perspiration fastness (ISO 105 E04)	Acidic	4-5	4	4-5	4	4	4-5	4
● Perspiration fastness (ISO 105 E04)	Alkaline	4-5	4	4-5	4	4	4-5	4
● Hypochlorite bleach fastness (ISO 105 N01)		4						
● Peroxide bleach fastness (ISO 105 N02)		4		4-5		4-5		
● Crocking fastness (ISO 105 X12, Dry/Wet)		4-5/4-5	(Staining on Cotton)					
● Dye migration on storage (AATCC 163)		4.5	4.0	4.0	4.0	4.0	4.5	4.5
● PVC Migration (ISO 105 X10)		3-4	(Staining on PVC film)					

**Note:**

**Disclaimer:** This information is provided in good faith, to the best of our knowledge and without liabilities.