

## Sodecron Dark Blue S3RT

A medium energy deep reddish blue disperse dye suitable for general exhaust dyeing application on polyester

### 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	-	■
Printing	-	●

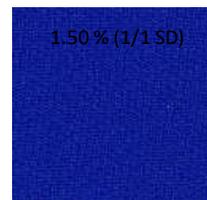
##### Development method in printing:

Pressure Steaming	-	●
HT Loop Steaming	-	●
Discharge printing	-	
Dischargeable ground	-	■
Discharge resistant illuminant	-	○

Exhaust Dyeing  
0.50% (1/3 SD)



1.50% (1/1 SD)



3.00% (2/1 SD)

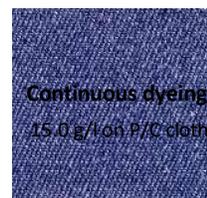


Dyeing at 130°C for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

### General properties:

C.T.Z.:	100 - 120°C
Leveling at 130°C:	Good
Migration:	Moderate
pH range for application :	4.0-6.0
Dischargeability:	Good (Safolite)
Sensitivity to metal (Fe):	Low
Stripping method:	Reductive
Saturation value in HTHP exhaust dyeing: (On 80D/36F polyester knit fabric)	5.00%

Continuous dyeing  
15.0 g/l on P/C cloth



### Shade change under artificial light:

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

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

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

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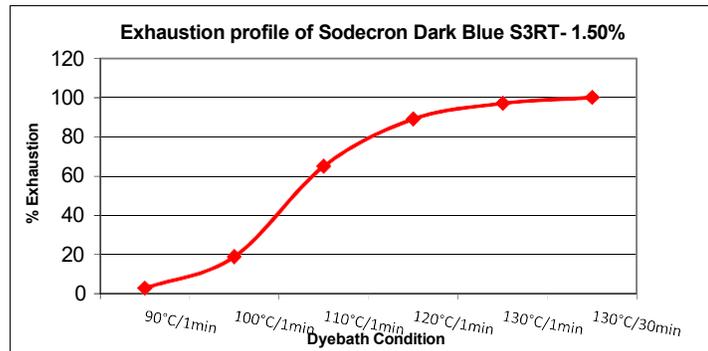
( Abbreviation: ● - Suitable, ○ - Not Suitable, ⊖ - Limited suitability, ■ - Not Recommended, R - Redder,  
G - Greener, B - Bluer)

V 1.0,09/21

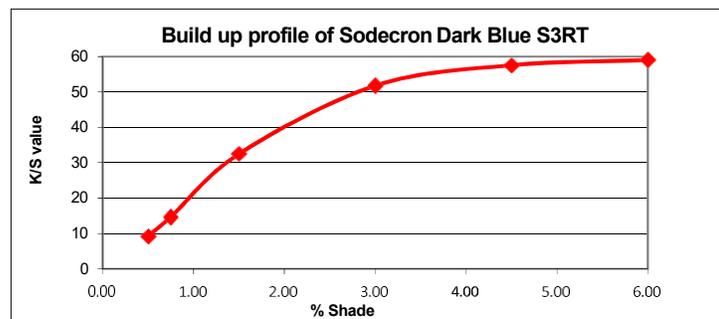
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## Sodecron Dark Blue S3RT

### Product Performance:



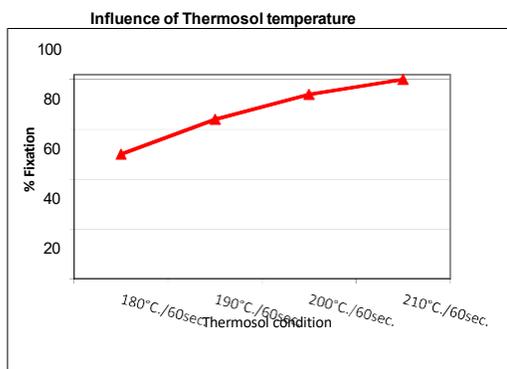
(Dyeing at different dyebath temperature on polyester fabric at pH 4 adjusted with Levocol 4398)



(Exhaust dyeing different depth at 130°C temperature for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

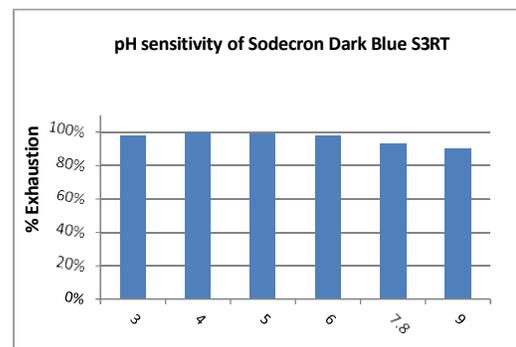
### Thermosol Application:

15.0 gpl Sodecron Dark Blue S3RT on P/C fabric



### pH Sensitivity:

1.50% Sodecron Dark Blue S3RT in exhaust dyeing



**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 1/1 SD (ISO 105 P01, 30 Sec)

Shade change (Rating)		
1/6 SD	1/3 SD	1/1 SD
4	4-5	4
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	2-3

## Sodecron Dark Blue S3RT

**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
— Perspiration Light fastness (ISO 105 B07)	Acidic	4-5						
— Perspiration Light fastness (ISO 105 B07)	Alkaline	4-5						
— Wash fastness (ISO 105 C06, A2S, )		4	3-4	3-4	3-4	4	4-5	4
— Wash fastness (ISO 105 C06, C2S, )		4	3	3-4	3	3-4	4	4
— Wash fastness (ISO 105 C10 C, 60°C)		4	3-4	4	3-4	4	4-5	4-5
— Wash fastness (AATCC 61 Option 2A, 49°C )		4.0	3.0	3.5	3.0	3.5	4.0	4.0
— Dry cleaning fastness ( ISO 105 D01)		4	4	4	4	4-5	4-5	4-5
— Water fastness ( ISO 105 E01)		4-5	3-4	3-4	3	3-4	4	3-4
— Sea water fastness (ISO 105 E02)		4-5	3	3-4	3	3-4	4	3-4
— Chlorinated water (ISO 105 E03)	20 ppm	3						
— Chlorinated water (ISO 105 E03)	50 ppm	3						
— Perspiration fastness (ISO 105 E04)	Acidic	4-5	3-4	3-4	2-3	3-4	4	3
— Perspiration fastness (ISO 105 E04)	Alkaline	4-5	4	4	4	4	4-5	4
— Hypochlorite bleach fastness (ISO 105 N01)		4						
— Peroxide bleach fastness (ISO 105 N02)		4-5		4-5		4-5		
— Crocking fastness (ISO 105 X12, Dry/Wet)		4/4						
— PVC migration (ISO 105 X10)		3						
— Saliva fastness (DIN 53160)		5.0						

**Note:**

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