

Sodecron Red LD

A low energy brilliant red disperse dye recommended for dyeing pastel shades in combination with Yellow LD and Blue 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

-	-	■
---	---	---

Printing

-	-	■
---	---	---

Development method in printing:

Pressure Steaming	-	●
HT Loop Steaming	-	○

Discharge printing

-	-	○
Dischargeable ground	-	○
Discharge resistant illuminant	-	■

Exhaust Dyeing

1.10% (1/3 SD)



3.30 % (1/1 SD)



6.60% (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.:	100 - 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):	High
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	YY	Y	GG	Y

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

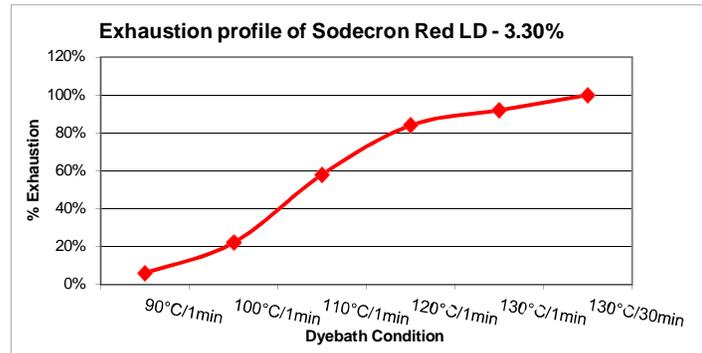
Substrate	CA	PAN	PA	Cellulosic	Wool
Staining in dyebath	High	High	High	Moderate	Moderate
Staining after R.C.	High	High	High	Moderate	Low

(Abbreviation: ● - Suitable, ○ - Not Suitable, ◐ - Limited suitability, ■ - Not Recommended, R - Redder,

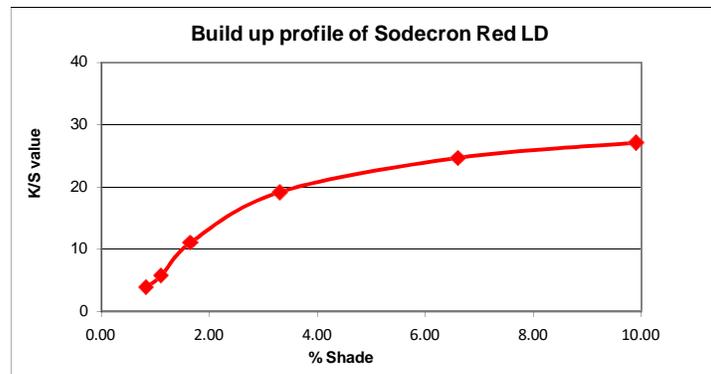
G - Greener, B - Bluer)

Sodecron Red LD

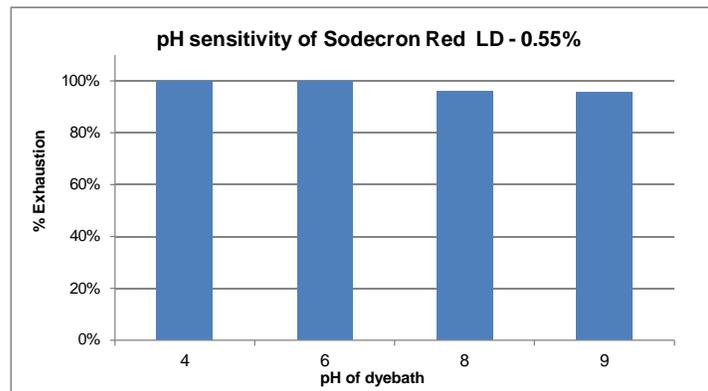
Product Performance:



(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 3.3% shade (ISO 105 P01, 30 Sec)

Shade change (Rating)		
0.28%	0.55%	3.30%
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	2-3	2

Sodecron Red LD

Fastness Properties: (Tested at 3.30% 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	3	4	3	3-4	4-5	4
● Wash fastness (ISO 105 C10 C, 60°C)		4	3	4	3	3-4	4	4
● Wash fastness (ISO 105 C06 C2S, 60°C)		4	3	3-4	2	3	4	4
● Wash fastness (AATCC 61 2A 49°C)		4.0	2.5	3.5	2.0	3.0	4.0	3.0
● 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	4	4-5	4	4-5	4-5	4-5
● Sea water fastness (ISO 105 E02)		4	4	4-5	4	4-5	4-5	4-5
● Chlorinated water (ISO 105 E03)	20 ppm	4						
● Chlorinated water (ISO 105 E03)	50 ppm	4						
● Perspiration fastness (ISO 105 E04)	Acidic	4-5	4	4-5	4	4-5	4-5	4-5
● Perspiration fastness (ISO 105 E04)	Alkaline	4-5	4	4-5	4	4-5	4-5	4-5
● 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)		3-4/3	(Staining on Cotton)					
● Dye migration on storage (AATCC 163)		4.5	3.5	4.0	3.5	4.0	4.5	4.5
● PVC Migration (ISO 105 X10)		3	(Staining on PVC film)					

Note:

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