

Sodecron Yellow LD

A low energy brilliant lemon yellow disperse dye recommended for dyeing pastel shades in combination with Red 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:

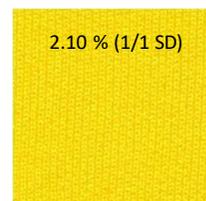
Exhaust dyeing:

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	-	○
<u>Discharge printing</u>		
Dischargeable ground	-	○
Discharge resistant illuminant	-	■

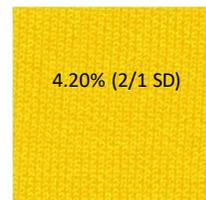
Exhaust Dyeing
0.70% (1/3 SD)



2.10 % (1/1 SD)



4.20% (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):	Low
Stripping method:	--
Saturation value in HTHP exhaust dyeing: (On 80D/36F polyester knit fabric)	6.00%

Shade change under artificial light:

D 65	Inc A	F 11 (TL 84)	F02 (CWF)	UL 35
Control	BB	GG	GG	GG

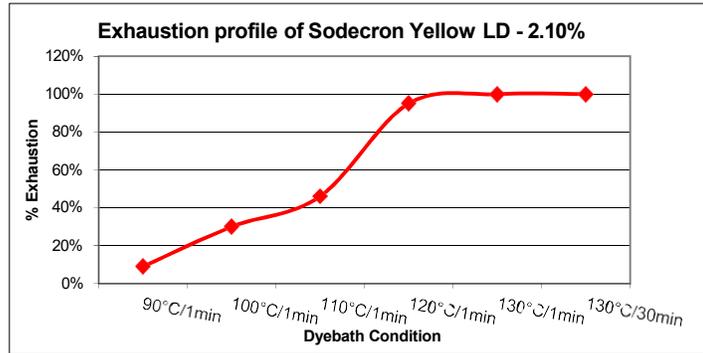
Cross staining on other components of blends in one bath dyeing:

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

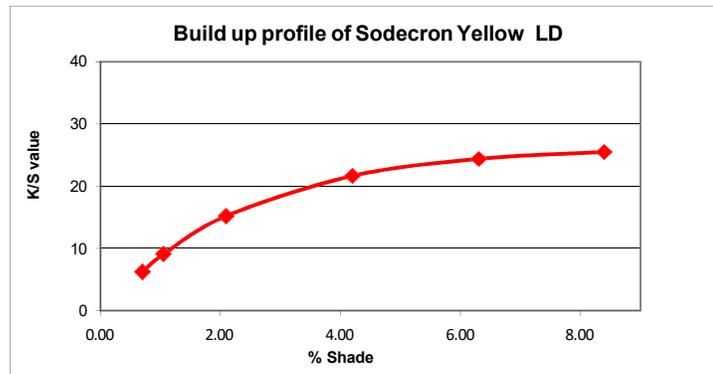
(Abbreviation: ● - Suitable, ○ - Not Suitable, ◐ - Limited suitability, ■ - Not Recommended, R - Redder,
G - Greener, B - Bluer)

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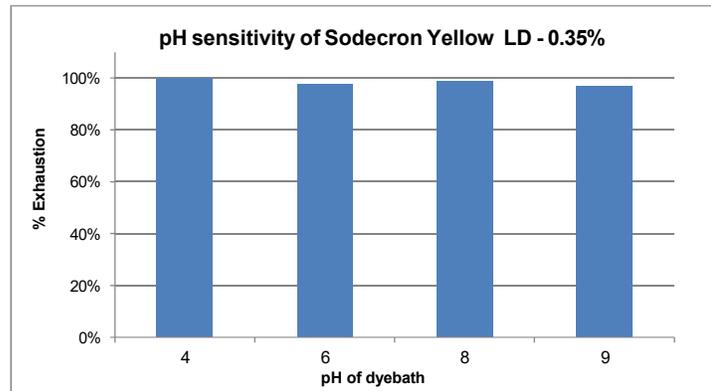
Product Performance:



(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 2.1% shade (ISO 105 P01, 30 Sec)

Shade change (Rating)		
0.18%	0.35%	2.10%
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

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Fastness Properties: (Tested at 2.10% depth, on 80D/36F 100% PET Knit dyed by exhaust method and post set at 180°C for 30 Sec)

		Staining on						Wool
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	
● Wash fastness (ISO 105 C06, A2S, 40 ^u C)		4	4	4-5	3-4	4	4-5	4-5
● Wash fastness (ISO 105 C10 C, 60 ^o C)		4	4	4-5	3-4	4-5	4-5	4-5
● Wash fastness (ISO 105 C06 C2S, 60 ^o C)		4	4-5	4-5	3	4	4-5	4-5
● Wash fastness (AATCC 61 2A 49 C)		4.0	3.5	4.5	3.0	4.0	4.5	4.5
● 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	4-5	4-5	4-5	4-5	4-5	4-5
● Sea water fastness (ISO 105 E02)		4-5	4-5	4-5	4-5	4-5	4-5	4-5
● 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	4-5	4-5	4-5	4-5	4-5	4-5
● Perspiration fastness (ISO 105 E04)	Alkaline	4-5	4-5	4-5	4-5	4-5	4-5	4-5
● 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)		4-5/4-5	(Staining on Cotton)					
● Dye migration on storage (AATCC 163)		4.5	4.0	4.5	4.0	4.5	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.