

## Sodecron Yellow Brown SIN

A high energy orange disperse dye suitable as a basic tri-chromate component for various applications 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	-	0
Carrier dyeing at 110°C	-	0
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 - ●

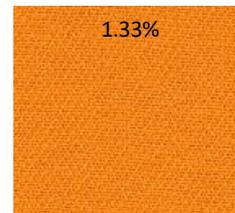
Discharge resistant illuminant - ○

### Exhaust Dyeing

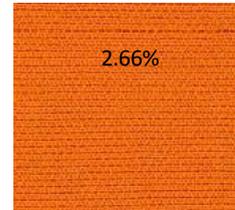
0.440%



1.33%



2.66%



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

### General properties:

C.T.Z.: 100 - 125°C

Leveling at 130°C: Good

Migration: Good

pH range for application : 3.0 -7.0

Dischargeability:(Zinc sulphoxylate formaldehyde) Good

Sensitivity to metal (Fe): Low

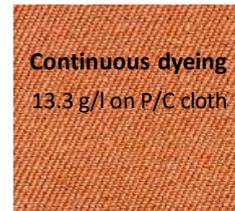
Stripping method: Reductive

Saturation value in HTHP exhaust dyeing: 3.75%

(On 80D/36F polyester knit fabric)

### Continuous dyeing

13.3 g/l on P/C cloth



### Shade change under artificial light:

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

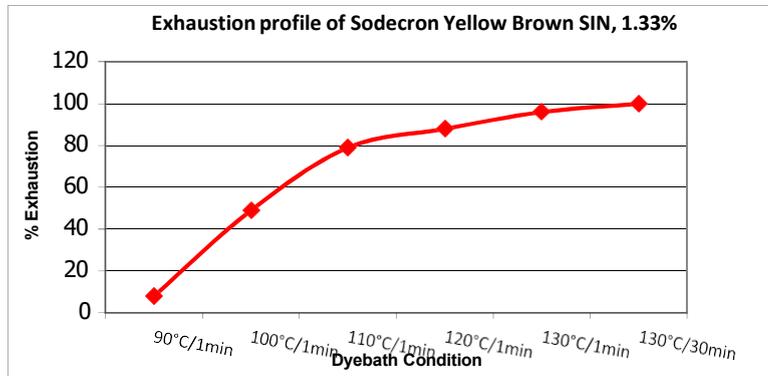
### Cross staining on other components of blends in one bath dyeing:

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

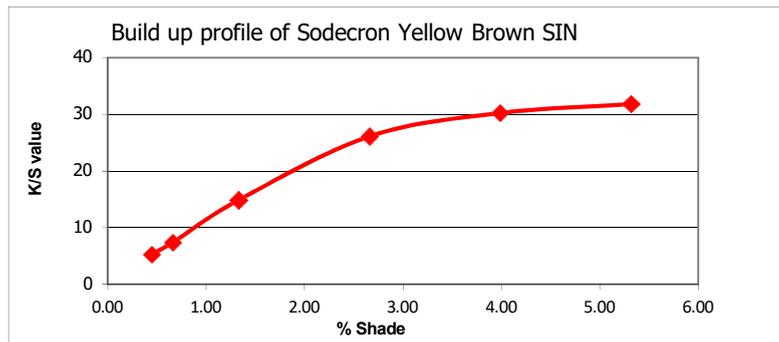


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### Product Performance:



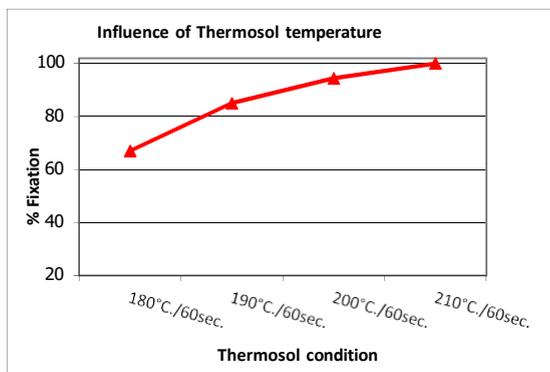
(Dyeing at different dyebath temperature on polyester fabric at pH 4 adjusted with Levocol 4398)



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

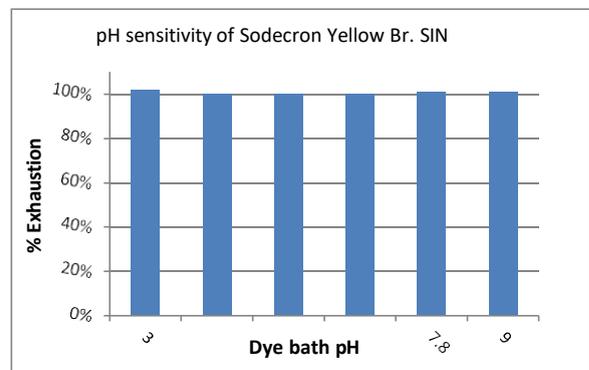
### Thermosol Application:

13.3 gpl Sodecron Yellow Brown SIN on P/C fabric



### pH Sensitivity:

1.33 % Sodecron Yellow Brown SIN 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 at 1.33% depth (ISO 105 P01, 30 Sec)

Shade change (Rating)		
<b>0.22%</b>	<b>0.44%</b>	<b>1.33%</b>
6	5-6	6
4.0	4.0	4.0

Temperature	180°C	190°C	200°C
<b>C.O.S.</b>	4-5	4-5	4-5
<b>Staining on PET</b>	4-5	3-4	3

## Sodecron Yellow Brown SIN

**Fastness Properties:** ( Tested at 1.33 % 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	4	4-5	4-5	4-5	4-5	4-5
● Wash fastness (ISO 105 C06, C2S, )		4	3-4	4-5	4	4-5	4-5	4-5
● Wash fastness (ISO 105 C10 C, 60°C)		4	4-5	4-5	4-5	4-5	4-5	4-5
● Wash fastness (AATCC 61 Option 2A, 49°C )		4.0	3.0	4.5	3.0	4.5	4.5	4.0
● 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)		4-5	4	4-5	4	4-5	4-5	4-5
● Chlorinated water (ISO 105 E03)	20 ppm	4-5						
● Chlorinated water (ISO 105 E03)	50 ppm	4-5						
● 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)		4-5						
● Peroxide bleach fastness (ISO 105 N02)		4-5		4-5		4		
● Crocking fastness (ISO 105 X12, Dry/Wet)				4-5/4-5				
● PVC migration (ISO 105 X10)		3-4	(Staining on PVC film)					
● Saliva fastness (DIN 53160)		5	(Staining on filter paper)					

**Note:**

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