



SÖZAL

Sodecron Dyes
Eco friendly dyes
for polyester &
it's blends



	SODECROK S DYES	Light fastness ISO 105 B02 (up to Grade 4)	Dry Heat for 30 sec. Staining on polyester	Wash (ISO 105 C03)	Perspiration Alkali- line ISO 105 E04	Rubbing ISO 105 X12	pH Range in dyeing	Suitability for yarn
Dyeing on Knit	High Energy Dyes		180 °C	PES PA COWO	PES PA COWO	DryWet		
	Sodecron Brilliant Yellow SGL Disp. Yellow 114 1.60%	4,0	4-5	4-5 3-4 4-5 4-5	4-5 4 4-5 4-5	4-5 4-5	3-6	✓
	Sodecron Yellow Brown SIN 150% Disp. Orange 30 1.30%	4,0	4-5	5 3-4 5 3-4	4-5 4-5 4-5 4-5	4-5 4-5	3-6	✓
	Sodecron Orange SFL Disp. Orange 73 1.33%	4,0	5	5 3-4 5 3-4	4-5 4-5 4-5 4-5	4-5 4-5	3-9	✓
	Sodecron Orange S3RL Disp. Orange 80 %1,30	4,0	5	5 4 5 4	4-5 4-5 4-5 4-5	4-5 4-5	3-9	✓
	Sodecron Scarlet S3GFL 150% Disp. Red 54 1.14%	4	4	4 3-4 4 3-4	4 3-4 4 3-4	4 4	3-7	✓
	Sodecron Rubine SCN 150% Disp. Red 1671 0.75%	4,5	4-5	5 3-4 4-5 3	4-5 4-5 4-5 4-5	4 4	4-6	✓
	Sodecron Blue SBGL Disp. Blue 73 2.00%	5	4-5	4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5	4 4	3-9	✓
	Sodecron Violet S3R Disp. Violet 63 0.95%	4	4-5	4-5 4 4-5 4	4-5 4 4-5 4	4 4	3-8	✓
	Sodecron Brilliant Blue SR 300% Disp. Blue 354 1.50%	4	4-5	4-5 3-4 4-5 4	4-5 4-5 4-5 4-5	4 4	3-4	-
	Sodecron Navy Blue SBL Disp. Blue 791 1.20%	4	4-5	4-5 3-4 4 4	4-5 4-5 4-5 4-5	4 4	4-6	✓
	Sodecron Black RLS 4.50%	4-5	4-5	4-5 4 4 4-5	4-5 4 4 4-5	4 4	4-6	✓

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Dyeing on Knit	Medium Energy Dyes		180 °C	PES PA COWO	PES PA COWO	Dry/Wet		
	Sodecron Yellow S4GL Disp. Yellow 211 0.72%	4-5	3-4	4 3-4 4 3	4 3-4 4 3-4	4 4	4-6	-
	Sodecron Scarlet SFBLL Disp. Red 74 1.00%	4	4-5	4-5 3-4 4-5 3-4	4-5 3-4 4-5 3-4	4 4	4-6	-
	Sodecron Red BEL Disp. Red 92 1.00%	4,0	4-5	4 5 4 5	4 4-5 4 4-5	4-5 4-5	4-8	-
	Sodecron Red F3BS Disp. Red 343 0.80%	4,0	4	4-5 3-4 4-5 3-4	4-5 3-4 4-5 4	4 4	3-8	✓
	Sodecron Red S2BL Disp. Red 82 1.50%	4,0	4	4 3-4 4-5 4-5	4-5 3-4 4-5 4-5	4-5 4-5	4-5	-
	Sodecron Rubin RD CN Disp. Red 73 0.5%	4,0	3-4	4-5 4 4-5 4-5	4-5 4 4-5 4	4-5 4-5	4-6	-
	Sodecron Blue SDBR Disp. Blue 366 1.80%	4-5	4	4 3-4 4 3-4	5 3-4 4-5 3-4	4 4	3-9	-
	Sodecron Blue S2RN Disp. Blue 183 1.50%	4,0	4	4 3-4 4 3	5 3-4 4-5 3-4	3-4 3-4	3-9	-
	Sodecron Dark Blue S3RT Disp. Blue 148 1.50%	3,5	4	4 3-4 4 3	5 3-4 4-5 3-4	3-4 3-4	3-9	-
	Sodecron Navy RD2CN 330% Disp. Blue Mix 1.35%	4,0	3	4-5 3-4 3-4 3-4	4-5 3-4 4-5 3-4	4-5 4-5	4-6	-
	Sodecron Black CNR Disp. Black Mix 3.00%	4,0	3	4-5 2-3 4-5 3	4-5 3 4-5 3	3-4 3-4	3-7	-

	SODECROK	Light fastness ISO 105 B02 (up to Grade 4)	Dry Heat for 30 sec. Staining on polyester	Wash (ISO 105 C03)	Perpiration Alka-line ISO 105 E04	Rubbing ISO 105 X12	pH Range in dyeing	Suitability for yarn
Dyeing on Knit	Low Energy Dyes		180 °C	PES PA CO WO	PES PA CO WO	DryWet		
	Sodecron Red EBF Disp. Red 60 2.10%	4,0	2-3	4-5 3-4 4 4	5 3-4 5 3-4	4 4	3-9	X
	Sodecron Blue E2RL Disp. Blue 56 2.60%	4-5	3	4-5 3-4 3-4 3-4	4-5 3-4 4-5 3-4	4 4	3-9	X
SODECROK LUMINOUS DYES								
	Sodecron Lumi. Yellow FBGFF Disp. Yellow 82 1.30%	4	3-4	4-5 4 4-5 4-5	4-5 4-5 4-5 4-5	4 4	4-5,5	✓
	Sodecron Lumi. Red G Disp. Red 277 1.5%	2	3-4	4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5	4-5 4-5	4-6	✓
	Sodecron Lumi. Pink R-BE Disp. Red 362 0.75%	3	4-5	4-5 3-4 4-4 4-5	4-5 3-4 4-4 4-5	4 4	4-5	✓

SODECROK CN

Medium Energy Dyes

	Sodecron Yellow CN 0.525%	4	3	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-6	L
	Sodecron Orange CN 0.90%	4	3-4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L
	Sodecron Scarlet CN 0.83%	4	4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L
	Sodecron Cherry CN 0.70%	4	4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L
	Sodecron Red CN 0.66%	4	4	4 4-5 4-5 4-5 4-5	4-5 4-5 4 4-5 4-5	4-5	4-8	L
	Sodecron Rubine CN 0.60%	4	3-4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L

	SODECRON CN	Light fastness ISO 105 B02 (up to Grade 4)	Dry Heat for 30 sec. Staining on polyester	Wash (ISO 105 C03)	Perspiration Alka- line ISO 105 E04	Rubbing ISO 105 X12	pH Range in dyeing	Suitability for yarn
Dyeing on Knit	Medium Energy Dyes		180 °C	PES PA CO WO	PES PA CO WO	DryWet		
	Sodecron Violet CN 0,40%	4	3-4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	✓
	Sodecron Turquoise CN** 2,70%	4	4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	3-8	✓
	Sodecron Royal Blue CN 0,60%	4	3-4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-7	L
	Sodecron Blue CN 0,55%	4	4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L
	Sodecron Green CN 1,30%	4	4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-7	✓
	Sodecron Navy CN* 1,10%	4	3-4	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L
	Sodecron Black CN* 2,60%	4	3	4 4-5 4-5 4-5 4-5	4-5 4-5 4-5 4-5 4-5	4-5	4-8	L

	SODECRO HP/XF	Light fastness ISO 105 B02 (up to Grade 4)	Sublimation Fastness (ISO 105 P01, 180 ° C (30 sec.)	Wash (ISO 105 C06, C25)	Perspiration Fastness Alkaline (ISO 105 E04)	Rubbing (ISO 105-X12)	pH Range in dyeing	Suitability for yarn
Dyeing on Polyester Knit	High Washing Fastness Dyes		180 ° C	PES PA CO WO	PES PA CO WO	Dry Wet		
	G.Yellow HP-3R 1.37%	4-5	4-5	4 4-5 4-5 4-5	4-5 4-5 4-5 4-5	4-5 4-5	4-5	S
	Rubine HP-2G 1.25%	3-4	4-5	4 4-5 4-5 4-5	4-5 4-5 4-5 4-5	4-5 4-5	4-5	S
	Brill. Red HP-3BS 1.1%	4	4	4 4-5 4-5 4-5	4-5 4-5 4-5 4-5	4-5 4	4-5	S
	Blue HP-GS 3.5%	3	4	4 4-5 4-5 4-5	4-5 4-5 4-5 4-5	4-5 4-5	4-5	S
	Royal Blue HP-EL 1%	3-4	4	4 4-5 4 4-5	4 4-5 4 4-5	4-5 4	4-5	S
	Navy XF-CT 2.1%	4	4	4 4-5 4 4-5	4 4-5 4 4-5	4-5 4	4-5	S
	Black XF-CT 5%	4	4	4 4-5 4 4-5	4 4-5 4 4-5	4-5 4	4-5	S

Sodecron Dyes

High Energy Disperse Dyes

- High sublimation fastness dyes.
- Suitable for print/pad/high temperature or high pressure steam fixation, also recommended for thermosol dyeing of polyester blends.
- Dyeing process with 130 °C / 60 min.

Medium Energy Disperse Dyes

- Medium sublimation fast, good levelling dyes.
- Suitable for general applications on polyester / blends.

Low Energy Disperse Dyes

- Excellent levelling properties.
- Low sublimation fast dyes.
- Suitable for piece dyeing of polyester / blend.
- Dyeing process for 100% polyester.

Sodecron CN Dyes

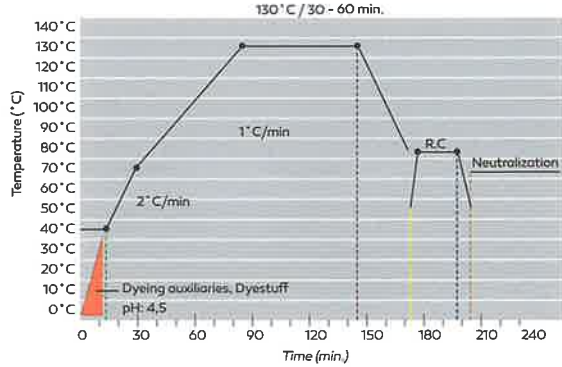
Sodecron CN dyes are compatible range of economical, medium energy dyes for rapid, reliable exhaust and continuous dyeing of polyester and its blends with other fibres.

- Excellent build-up and economical.
- High productivity in exhaust dyeing through optimized rapid dyeing.
- Good all-round colour fastness.
- Compatible on-tone build-up.
- Dyeing process with 130 °C / 30 - 60 min.

Sodecron HP / XF Dyes

- Use of polyester, especially the microfiber, is increasing in clothing due to many advantages it has over other fibers.
- Incidentally, polyester processing has become more challenging for the dyer with the increasing demand on colour fastness and ecology of clothing like sports wear, work wear, functional apparel etc.
- Dyeing process with 130 °C / 60 min.

Dyeing Process with Sodecron Dyes



Dyeing auxiliaries:

- 1:Seganal A90-1.0 g/l
- 2:Segacid TMP-1 g/l

Process:

- 1.Dyeing at 130 °C for 30 to 60 minute
- 2.Reduction cleaning (R.C.)
3. Neutralization

Fastness Properties

Tested on 1/1 SD after heat setting at 180 °C / 30 sec.

* Pastness properties checked on 2/1 SD

** Saturation value-4.5%

D - Dischargeable
P - Poor
M - Moderate
G - Good
✓ - Suitable
X - Not suitable
ND - Non Dischargeable

5 - Excellent
4 - Good
3 - Fair
2 - Poor
1 - Very poor

CO - Staining on Cotton
PA - Staining on Nylon
PES - Staining on Polyester
WO - Staining on Wool

COMMERCIAL FORM & DISPERSING SODECRON DYES

- Sodecron dyes are supplied in the form of low dusting free flowing powder.
- Before dye is added to the dye-bath or to the pad liquor, it is dispersed in 10 - 20 times it's volume in warm (30 °C - 60 °C) soft water & stirred well.
- High speed mechanical stirring (<1000 rpm) ensures good dispersion especially when handling large volume of dye.
- The dye dispersion should be filtered through fine cloth / fine mesh sieve prior to it's addition to the dye-bath.

The content of this catalog is for informational purposes only. A trial is recommended before bulk application.

SÖZAL

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