

Sodecron Brilliant Red HP-SB

A brilliant red disperse dye having excellent wash and contact fastness. Exhibits good build up; serves as a backbone for deep red, maroon shades and as a basic ternary component with Yellow Brown HP -2R and Navy HP - R

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:

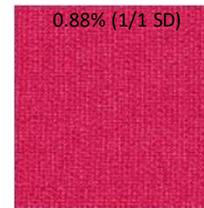
Low temperature with carrier	-	○
HT, 135°C	-	●
HT, Alkaline dyeing	-	○
Continuous dyeing	-	●
Printing	-	●
Development method in printing:		
Pressure Steaming	-	◐
HT Loop Steaming	-	●
Discharge printing	-	■

Exhaust Dyeing

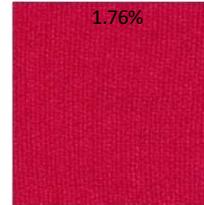
0.293%



0.88% (1/1 SD)



1.76%



Dyeing at 135°C for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398

General properties:

C.T.Z.:	-	120 - 135°C
Leveling at 135°C:	-	Moderate
Migration:	-	Moderate
Recommended pH with buffer system :	-	4.0
Recommended auxiliary:	-	Levocol OA, 3 - 4 g/l
Dischargeability:(Zinc sulphoxylate formaldehyde)	-	Good
Sensitivity to metal (Fe)	-	Low
Stripping method	-	Reductive
Saturation value in HTHP exhaust dyeing (On 80D/36F polyester knit fabric)	-	3.00%

Continuous dyeing

9.0 g/l on P/C cloth



Shade change under artificial light:

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

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

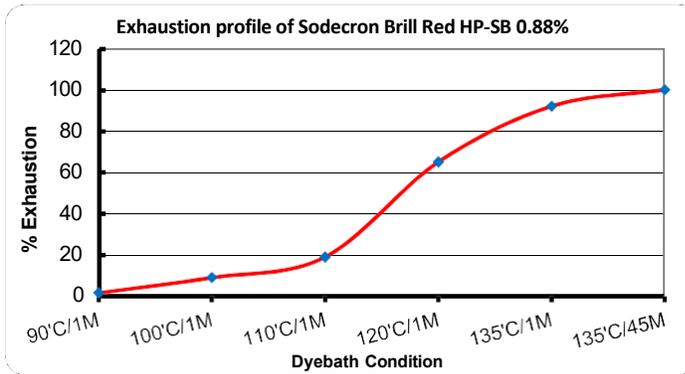
Substrate	CA	PAN	PA	Cellulosic	Wool
Staining in dyebath	High	Moderate	High	Moderate	High
Staining after R.C.	High	Moderate	High	Moderate	Moderate

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

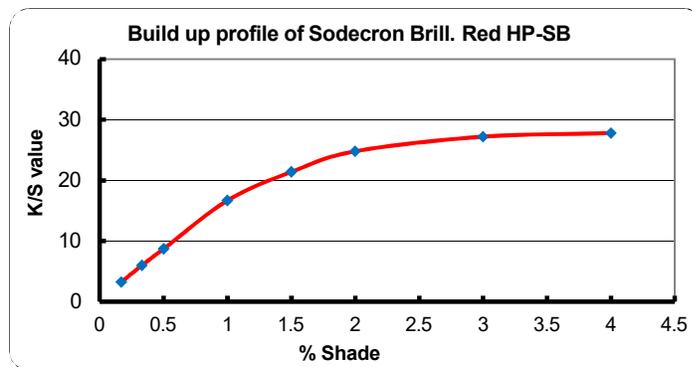
Y - Yellower, B - Bluer)

Sodecron Brilliant Red HP-SB

Product Performance:



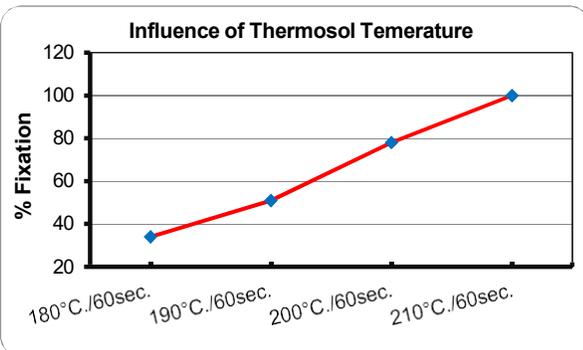
(Dyeing at different dyebath temperature on polyester fabric at pH 4 adjusted with Levocol 4398)



(Exhaust dyeing different depth at 135°C temperature for 45 min on polyester fabric at pH 4 adjusted with Levocol 4398)

Thermosol Application: (Pad - Dry - Thermosol)

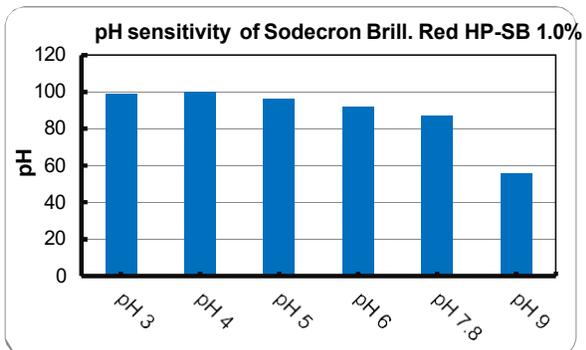
9.0 gpl Sodecron Red HP-SB on P/C fabric



Thermosol condition

pH Sensitivity:

0.88% Sodecron Brill. Red HP-SB in exhaust dyeing



Strength

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)

Shade change (Rating)		
1/6 SD	1/3 SD	1/1 SD
3	3	3-4
3.5	4	4

Temperature	180°C	190°C	200°C
C.O.S.	4	4	4
Staining on PET	4	3-4	3-4

Sodecron Brilliant Red HP-SB

Fastness Properties: (Tested at 0.88% 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) Acid	4						
—	Perspiration Light fastness (ISO 105 B07) Alkaline	4						
—	Wash fastness (ISO 105 C10 C, 60°C)	4	4-5	4-5	4-5	4-5	4-5	4-5
—	Wash fastness (ISO 105 C06, C2S,)	4	4-5	4-5	4	4-5	4-5	4-5
—	Wash fastness (AATCC 61 Option 2A,49°C,)	4.0	4.0	4.5	4.0	4.0	4.5	4.5
—	M&S C4A, 60°C	4	4-5	4-5	4	4	4-5	4-5
—	Adidas Wash fastness, 60°C	4	4	4-5	3-4	4	4-5	4
—	Dry cleaning fastness (ISO 105 D01)	4	4-5	4-5	4-5	4	4-5	4-5
—	Water fastness (ISO 105 E01)	4-5	4-5	4-5	4	4	4-5	4-5
—	Sea water fastness (ISO 105 E02)	4	4	4	4	4	4-5	4-5
—	Chlorinated water fastness,(Adidas 5.06, 50 ppm)	3-4						
—	Perspiration fastness (ISO 105 E04,Acid)	4-5	4-5	4	4	4	4-5	4-5
—	Perspiration fastness (ISO 105 E04,Alkaline)	4-5	4-5	4	4	4	4-5	4-5
—	Burnt gas fumes fastness (ISO 105 G02, 3 cycles)	4						
—	Hypochlorite bleach fastness (ISO 105 N01)	4						
—	Peroxide bleach fastness (ISO 105 N02)	4		4		4		
—	Mercerization fastness (ISO 105 X04)	4		4				
—	PVC migration (ISO 105 X10)	4	(Staining on PVC foil)					
—	Crocking Fastness (ISO 105 X12, Dry/Wet)		4-5/4-5					
—	Migration during storage (AATCC TM 163)	4.5	4.5	4.5	4.5	4.5	4.5	4.5
—	Saliva fastness (DIN 53160)	5	(Staining on filter paper)					

Fastness Properties: (Tested at 3.20% depth, on 100% micro PET Knit (0.5 dpf) dyed by exhaust method and post set at 180°C for 30 Sec)

		Staining on						
		C.O.S.	Acetate	Cotton	Nylon	Polyester	Acrylic	Wool
—	Light fastness (ISO 105 B02)	2-3						
—	Wash fastness (ISO 105 C06, C2S,)	4	4	4	3	4	4-5	4
—	Wash fastness (AATCC 61 Option 2A,49°C,)	4	4	4.5	4	4.5	4.5	4.5
—	Water fastness (ISO 105 E01)	4-5	4	4	4	4-5	4-5	4-5
—	Crocking Fastness (ISO 105 X12, Dry/Wet)		4/4					

Fastness Properties: (Tested at 9.0 g/l depth, on P/C (67/33) blend twill fabric by continuous dyeing 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, C2S,)	4	4	4-5	4	4	4-5	4-5
—	Wash fastness (AATCC 61 Option 2A,49°C,)	4	4-5	4-5	4	4-5	4-5	4-5
—	Water fastness (ISO 105 E01)	4-5	4	4-5	4	4	4-5	4-5
—	Crocking Fastness (ISO 105 X12, Dry/Wet)		4/3-4					

Note:

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