

Palanil®

Dyeing Properties and Application

1/1 standard depth as illustrated %

Liquid (strength versus powder%)

Fastness to light 1/1 SD Xenon

Fastness to light 1/3 SD Xenon

Sublimation (180°Cx30 sec)

Level uptake

Barre' coverage

pH stability

Thermofixation (optimum temperature °C)

PES yarn, tops

PES piece

PES / Cell. yarn

PES / Cell. piece

PES / WO 105°C

PES / WO 120°C

Printing HTS fixation

Printing PS fixation

Washing fastness C4A (50°C)







Alkaline dyeing

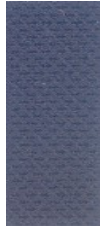

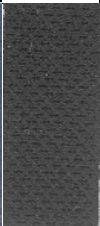
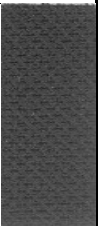
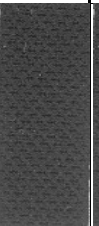

Home furnishings

Automotive textile

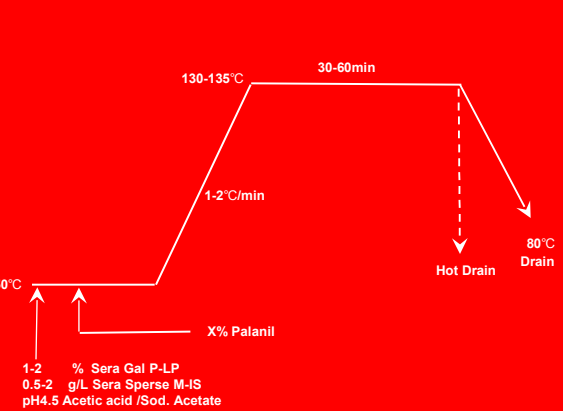
Acetate (CA)

Triacetate (CTA)

	Yellow SE-G	Orange S-2R	Scarlet GS	Rubine S-2G	Rubine SE-FG	Blue SE-2R
						
	0.3	1.10	0.83	0.75	0.6	0.70
	-	-	-	45	-	-
	7	7	5-6	>7	6	5-6
	6-7	6-7	5	7	6	5-6
	3-4	4-5	4-5	4-5	3-4	4
	3	3	2	3	3	2
	excellent	good	moderate	good	good	moderate
	3.0-6.0	3.0-8.0	3.0-10.0	3.0-7.0	4.0-6.0	3.0-8.0
	200°C	210°C	210°C	210°C	210°C	210°C
	+	++	++	++	+	+
	++	++	++	++	++	++
	+	++	++	++	+	++
	++	++	++	++	++	++
	+	+	+	+	++	+
	+	++	+	+	++	++
	+	++	++	++	+	+
	++	++	+	++	++	++
	++	++	+	+	+	++
	-	2	2	-	-	1
	++	++	-	++	+	++
	-	++	-	+	-	-
	+	++	-	+	++	-
	++	+	+	++	++	-

	Navy EX-SF 300%	Navy S-2G	Black P	Black SE-G	Black SE-RN 300%	Black CC-3R
						
	N1.10	N1.80	B3.50	B3.05	B2.60	B2.20
	-	50	100	-	67	33
	5-6	6	5-6	6	6	6
	5	5-6	4-5	4-5	4-5	4-5
	3-4	4-5	4	3-4	3-4	3
	3	3	2	3	3	3
	good	Limited	-	-	-	-
	3.0-9.0	4.0-6.0	3.0-6.0	3.0-9.0	3.0-9.0	3.0-7.0
	210°C	220°C	210°C	210°C	210°C	210°C
	+	++	++	+	+	+
	++	++	++	++	++	++
	+	++	++	+	+	+
	++	++	++	++	++	++
	+	-	-	+	+	+
	++	-	-	++	++	++
	+	++	++	-	-	-
	++	++	++	++	+	++
	+	+	+	+	+	+
	2	-	-	2	2	-
	-	-	-	-	-	-
	-	-	+	-	-	-
	-	-	-	-	-	-
	-	++	+	-	-	-

General HT Dyeing Process



Thermosol Fixation Dyeing Process

- X g/L Palanil
- 10-15 g/L Sera Gal M-IP (antimigration agent)
- 1-2 g/L Sera Wet C-AS (wetting agent)
- pH5-6 Acetic acid
- Pad liquid temperature: 20-30°C
- Pick-up:40-60%
- IR Pre-Drying: to 25-30% (residual moisture)
- Dry temperature :100-120°C
- Thermosolfixation temperature: 190-220°C
- Time:20-90sec (Depend on equipment ,depth of shade and fabric weight)

Remarks:

Washing Fastness: After Reduction Clearing process, post heat -setting180°Cx30sec,and test C4A(50°C),assess the staining on PA of multi-fiber.
 +++=suitable ++= suitable up to medium depths += limited suitability

Level uptake: 1=poor 2=moderate 3=very good

Printing: HTS: 175°Cx7min PS: 135°Cx30min

Alkaline Dyeing:
 1= soft alkaline for jet with 2-4% Diaserver AD-85
 2= hard alkaline for jet, yarn, beam with 2-4% Diaserver AD-95

Home Furnishings : Lightfastness ≥ 6

- ++=suitable
- +=suitable for pale shades
- =not suitable
- (+)= shade tone change
- B=Black
- N=Navy

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Our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality & ecological specifications.



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Popular commodity disperse dyes

