



DISPERSE DYES

# GAMMACOLOR DISPERSE DYES

## DISPERSE DYES FOR POLYESTER :

### EXHAUSTION DYEING METHOD:

Treat the material at 60°C for 5' with:

3% Gamol Plus

1-3% Gammopal DF

2 g/l Gammacid PES

Add dye dispersion and set pH at 4.5-5

Bring the temperature at 130°C for 45-60'.

Cool down and release the dyebath.wash once or twice.

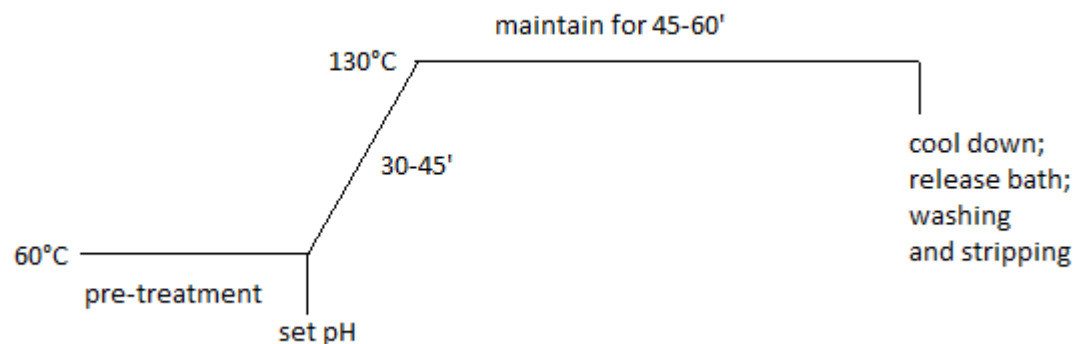
Stripping: for 20' at 80°C with:

2 g/l Gamol Plus

6 cc/l Caustic soda 30%

2 g/l Riducente FG

Release the bath; wash and neutralize; wash.



## THERMOSOL

Impregnate a ready to dye fabric with:

3g/l Gamol Plus

X g/l disperse dye, dispersed into water.

12 g/l Gamma AST

And pass into a foulard. (dyebath absorption 60-75%)

Pass through I.R.-Hot Flou with a residual absorption no more than 35%.

Dry at 90-120°C then thermofix at 200-215°C.

Cool down and make a stripping if required.

## ACETATE DYEING

X% selected disperse dye

1% acetic acid 80% (pH; 5,5)

Raise the temperature to 85°C for 45-60'. Release dyebath and wash twice.

Light fastness ISO 105 B02 (blue scale up to grade 8).Dischargeability: Zn sulfoxylate formaldehyde (5=fully dischargeability)

Chlorinated water (20ppm)-fading; Light fastness ISO 105 B02 (blue scale up to grade 8): when 3 values reported:2/1, 1/1, 1/12 of the shade; when 2 values are reported: 1/1, 1/10 of the shade. Washing,water ,Perspiration& sea water: when 1 value reported: staining on PA; when 3 values: change in shade/staining on PA/staining on PA.

DISPERSE DYES series	%	name	Xenotest	Water	Washing 60°C	Dry heat 30 " at 180°C		thermosol	pH range	CI
						Color change	Staining on PES			
	1	Giallo Lum. G	4	5	5	4-5	4-5	+	3-5	184
	1	Giallo 8GL	5	4-5	4-5	4-5	4-5	+	3-7	82
	1	Giallo 4GN	6-7	5	5	5	3-4	+	3-5,5	211
	1	Giallo 3GL	6-7	5	5	4-5	2-3	+	3-7	54
	1	Giallo C5G 200%	6-7	5	5	4-5	4	+	3-7	119
	1	Giallo 6GL 200%	7	5	5	5	4-5	+		114
	1	Giallo 7GL 200%	6-7		4-5			+	3-5,5	126
	1	Giallo ORO 2RLS	6-7	5	5	5	4-5	-	3-9	93
	1	Giallo 3G	6-7	5	5	4	3	-	3-9	64
	1	Arancio 2RL	5-6	5	5	4	2-3	+	3-9	25
	1	Arancio 2GS	6	5	5	5	4-5	+	3-7	44
	1	Arancio CRN 150%	5-6		4-5	4-5	2-3	+/-	3-9	31

DISPERSE DYES series	%	name	Xenotest	Water	Washing 60°C	Dry heat 30 " at 180°C		thermosol	pH range	CI
						Color change	Staining on PES			
	1	Bruno Giallo 3GL	6-7	5	5	5	4	+	3-7	29
	1	Bruno Giallo GLS 150%	7	4-5	4-5	5	4	+	3-7	30
	1	Bruno 3REL	5-6	5	5	5	5	-	3-9	118
	1	Bruno 3R	5	5	4-5	5	4-5	-	3-9	1
	1	Scarlato 5G	6	5	4-5	4-5	4	-	3-7	50
	1	Scarlato RR 150%	5-6	5	5	5	4-5	+	3-7	54
	1	Scarlato GS 200%	5-6	5	4-5	5	4-5	-	3-9	153
	1	Scarlato 2BLS	5-6		4-5	4-5	4-5			74
	1	Rosso Lum. G	4-5	4-5	4-5	4-5	4-5	+	5-6	277
	1	Rosso FL 150%	6-7	5	4-5	5	2-3	-	3-9	65
	1	Rosso BS 200%	5-6	5	5	5	4	+/-	3-9	152
	1	Rosso 3BL 200%	6-7	4	4	5	3-4	-	3-5,5	82
	2	Rosso brill. SF	6		5			+	3-7	mix

DISPERSE DYES series	%	name	Xenotest	Water	Washing 60°C	Dry heat 30 " at 180°C		thermosol	pH range	CI
						Color change	Staining on PES			
	1	Rosso 2C	5-6	5	5	5	4			343
	1	Rosso CBN-SF	6		5			+	3-7	356
	1	Rosso C-4G 150%	5-6	5	5	5	4-5			278
	1	Rosso R/N	6-7	5	5	5	4-5	-	3-7	mix
	1	Rosso 2BL 200%	6-7	5	4-5	4	2-3	-	3-9	60
	1	Rosso 2BS 200%	6-7	5	5	5	4-5	-	3-9	92
	1	Rosso 2GL 150%	6-7	5	5	5	4-5	+	3-7	167
	1	Rosso RLS 150%	6-7	5	4-5	5	4-5	-	3-7	177
	2	Rosa brill. SR	5		4-5	3-4	3-4	+/-	4-6	362
	2	Rosa lumin. 5B	5		4-5	4	3-4	+/-	3-8	364
	2	Violetto lumin. 3R-T	5		4	4-5	4	-	3-8	mix

DISPERSE DYES series	%	name	Xenotest	Water	Washing 60°C	Dry heat 30 " at 180°C		thermosol	pH range	CI
						Color change	Staining on PES			
	1	Rubino GL 200%	6-7	5	5	4	3	+	3-7	73
	1	Rubino 2BLS	6-7	5	5	5	4-5	+	3-7	33
	1	Rubino SBSF 200%	5-6	5	5	5	4-5	-	5-9	179
	1	Verde C6B	4-5	5	4	4-5	4-5	-	3-6	9
	1	Blu BGLS 200%	6-7	5	4-5	5	4-5	+	3-9	73
	1	Blu FBL 150%	6-7	5	4-5	4-5	2-3	-	3-9	56
	1	Blu SER 200%	4		4-5	4-5	4-5			354
	1	Blu 2GL 200%	7	5	5	4-5	3-4	+	3-9	60
	1	Blu BGF 200%	7-8	5	5	4	3	+	3,5- 8,5	87
	1	Cianina B	7-8	5	5	5	5	+	3-5,5	mix
	1	Blu 2RS	5-6	4-5	4-5	5	4	+	3-9	183
	2	BLU ROYAL CC	5-6	5	5	5	4	-	3-7	mix

DISPERSE DYES series	%	name	Xenotest	Water	Washing 60°C	Dry heat 30 " at 180°C		thermosol	pH range	CI
						Color change	Staining on PES			
	1	Blu 3RT	5-6	5	5	5	4	-	3-7	148
	1	Blu FBL-SD	5-6	4-5	4-5	4-5	3-4	-	3-5,5	Mix
	1	Blu marino GRL 200%	5-6	5	5	5	4-5	+	3-5,5	79
	1	Blu marino RDN	5-6	4	4	4	3	+	3-5,5	Mix
	2	Blu marino C2G 150%	6	5	5	5	5	+	3-9	Mix
	3	Nero ESF 300%	5-6	4-5	4-5	4-5	3-4	+	3-9	Mix
	3	Nero RDSN 200%	5-6	4-5	4-5	4-5	3-4	-	3-9	Mix
	3	Nero trevira RD-3G	5-6	4-5	4-5	4-5	3-4	-	3-5,5	Mix
	3	NERO CC-R	6-7	5	5	4-5	3-4	+	3-9	Mix
	3	NERO RLW	6	5	5	5	4-5	+	3-7	Mix
	3	NERO CVS-E NEW	6	5	5	5	4-5	+	3-9	Mix

<b>DISPERSE XF</b>	<b>%</b>	<b>name</b>	<b>Xenotest</b>	<b>Sublimatio n 30" 180°C</b>	<b>Sublimatio n 30" 200°C</b>	<b>Washing 60°C</b>	<b>Washing 95°C</b>	<b>Alkaline perspiratio n</b>	<b>CI</b>
	1	GIALLO XF	6-7 7	4-5	3-4	5 5 5	4-5 5 4-5	5 5 5	126
	1	BRUNO GIALLO XF	6 6-7	4-5	2-3	5 5 5	4-5 4-5 5	5 5 5	mix
	1	ROSSO BRILL. XF	5 6-7	5	3-4	5 5 5	5 5 4-5	5 5 5	mix
	1	RUBINO XF	5-6 6-7	4-5	3	5 5 5	4-5 4-5 5	5 5 5	mix
	1	TURCHESE XF	4 4-5			4-5 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4-5	mix
	1	BLU XF	6 6	4-5	3-4	5 5 5	4-5 5 5	5 5 5	mix
	2	BLU MARINO XF	5-6 6-7	4-5	2-3	5 4-5 4-5	4-5 4-5 4	5 5 5	mix
	5	NERO XF	6 6-7	4-5	2	5 5 5	4-5 4 4	5 5 5	mix



DISPERSE DYES FOR ACETATE	%	name	Xenotest	Water	Washing 40°C	Alkaline perspiration	rubbing		Gas fading	dischargeability	CI
							dry	wet			
	1	GIALLO N-FG	6 5-6	4	4	3-4	5	4-5	4-5	partially	mix
	0,6	ARANCIO 3RL	6-7		4	4-5			5		80
	1	VIOLETTO 3R	6-7		3-4	4-5			5		1
	2,4	ROSA RFL 150%	6		3	3			3		59
	1	ROSA REL 200%	7	5	5	5	4-5	4-5			91
	1	CREMISI SFG	7		5	5			4-5		mix
	1,25	ROSSO GSF	5-6 5	3-4	3-4	3	4-5	4	4	partially	137
	1	ROSSO NFR	5	3-4	3-4	3-4			4-5	Not. disch	mix
	1	BLU NRB	5	4	4	3-4	4-5	4-5	2-3	Not. disch	mix
	2	BLU 3R NEW	5		3-4	3			1		mix
	1,5	BLU MARINO N- BF(NGF)	6 5	3-4	3-4	3	3-4	3-4	3	Not disch.	mix
	5	NERO N-GFS	4-5	3	3-4	2-3	3	3	3	Not disch.	mix
	5	NERO N-BFG	5	3	3-4	2-3	3	3	4	Not disch.	Mix

DISPERSE DYES automotive	%	name	Xenotest	160°C heating contact	180°C heating contact	Alkaline perspiration	pH range	rubbing		CI
								dry	wet	
	2	GIALLO LS-A	7	4-5	3-4	4-5	3-7	4-5	5	42
	2	GIALLO R-LSA	7	5	4	5	3-9	5	5	Mix
	2	BRUNO GIALLO GLS 150%	7	5	4	4-5	3-7	4-5	5	30
	2	ROSSO BRILL- BL- A	7-6	4-5	3-4	4-5	3-7 3-9	4-5	5	Mix
	2	ROSSO BRILL. 2BS-A 200%	7-6	5	4-5	5	3-7 3-9	4-5	5	92
	1	ROSSO 2GF-A 200%	7	5	4	5	3-9	5	5	86
	2	ROSSO RLS-A	7	5	4	4-5	3-7	4-5	5	Mix
	1	VIOLETTO BL 150%	6-7	5	4-5	5	3-9	5	5	57
	2	BLU BLF-A	7	5	3-4	5	3-7 3-9	5	5	77
	2	BLU BRILL. 2GL-A	7	4-5	3-4	5	3-9	5	5	60
	1,50	BLU MARINO LH-A	7	5	4-5	5	3-9	4-5	4	mix
	6	NERO BL-A	7	5	4-5	5	3-9	4	4-5	mix
	6	NERO SL-A	7	4-5	4	5	3-9	4	4-5	mix





**GAMMACOLOR**

GAMMACOLOR s.r.l.

Dyes e auxiliaries for textile industry  
Via Zeuner, 5  
20822 – SEVESO (MB), Italy  
tel. 0362.550.550 fax 0362.551.915  
P.IVA 00736390964 – Cod.Fisc. 02639210158  
c.c.i.a. Milano n. 927455  
Codice APP/ISS azienda 00736390964  
e-mail [info@gammacolorsrl.com](mailto:info@gammacolorsrl.com)