



## PALANIL DYES

- RAPID DYEING CYCLES
- COMPATIBLE STRIKE RATE
- LEVEL DYEING
- STABLE TO PROCESSING VARIATIONS
- GOOD BATCH TO BATCH SHADE REPRODUCIBILITY
- GOOD ALL ROUND FASTNESS

		APP	FASTNESS PROPERTIES				
		HT CD	LIGHT (Daylight)	DRY HEAT 180° C		CO6 B2S WASH TEST 50°C	
				CC	SP	CC	SPA
<b>YELLOW PALANIL HI-5G 200%</b>		+ +	6-7 7	5	4	5	5
<b>YELLOW PALANIL HI -GL</b>		+ +	6-7 7	5	4	5	4-5
<b>ORANGE PALANIL HI -TL</b>		+ +	6 6-7	5	3-4	5	4-5
<b>RED PALANIL HI -RL 200%</b>		+ 0	6 6	5	3-4	5	4
<b>RED PALANIL HI -VL</b>		+ 0	5-6 5	5	4-5	5	4-5
<b>BLUE PALANIL HI -BL</b>		+ +	5 6	5	4	5	4
<b>NAVY BLUE PALANIL HI -BM</b>		+ +	4-5 5-6	5	4	5	4-5
<b>BLACK PALANIL HI -CN</b>		+ +	5-6 6-7	5	3	5	4

### TIME AT TOP TEMPERATURE:

PALANIL HI dyes are relatively insensitive to time/temperature variations, and consequently the time at top temperature can be significantly reduced in certain circumstances. As with all disperse dye, however, it is necessary to dye for a sufficient time at a high enough temperature in order to obtain a degree of filament penetration which will guarantee the expected colour yield and fastness. The factor which has greatest effect on the time at top temperature is the total depth of shade being dyed.



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Depth of Shade	Temperature		
	120 °C	125 °C	130 °C
<0.30%	15 minutes	10 minutes	5-10 minutes
0.30%-150%	20 minutes	15 minutes	10-15 minutes
>1.20%	45 minutes	30 minutes	15-30 minutes

**C.I. DISPERSES: PALANIL** HI dyes are all mixtures.

**APPLICATION METHOD:** An indication of the general suitability of each dye for application to polyester by three main process routes is given:

HT: High temperature dyeing  
CD: Atmospheric carrier dyeing  
+: suitable  
0: may be used but not generally recommended  
-: not recommended

**FASTENESS PROPERTIES:** All the fastness tests are based on the following standard tests:

- Light – Daylight
- Dry Heat (Sublimation) 30 seconds/180°C
- CO6 B2S Wash Test 30 minutes at 50°C

CC: Change in Shade  
SP: Staining of Polyester  
SPA: Staining of Nylon

This information is correct to our knowledge. PRODUCTES QUÍMICS DE SÍNTESI<sup>®</sup> is not responsible for the use made of it, as this only serves as a guide for the user but no warranty. Applications can vary according to circumstances, so users are advised to conduct their own tests.

Review: 1  
Revision date: 12/04/MMXII