Claira™ NPT Non-Phthalate LB White Ink

EL9240 NPT Snap White

Technical Data Sheet #334 09/23/2010	
Wet Ink Tack	Low
After Flash Tack	Low
Printability	Excellent
Surface Appearance	Satin finish
Opacity/Viscosity	High/High
Bleed Resistance	Good
Gel Point/Flash Time	150° F (67° C)
Fusion Temperature	320°F (160° C)
Squeegee Hardness	70-80 durometer
Squeegee Blade	Sharp
Squeegee Angle	45° to screen mesh
Underlay	N/A
Emulsion	Capillary Film or Liquid Emulsion
Mesh Count	86 - 230 mc. in. (34-90 mc. cm.)
Extender	N/A
Thickener	N/A
Storage	65°F to 95°F (18° C to 33° C) Avoid direct sun
Cleanup	Bio-degradable screen wash
MSDS	# 38
Color Range	EL9240 NPT Snap White
Substrate Type	Polyester/Cotton Blend
Substrate Color(s)	Light, Medium & Dark Colors

Description

EL9240 NPT Snap White is formulated as low bleed, press-ready plastisol for printing on polyester/cotton fabrics. This product is excellent for printing through a variety of mesh ranges to give great opacity and smooth finish.

Features

- Creamy, short body plastisol for easy printing.
- Tack free formulation for fast shearing action.
- Great bleed resistance.
- Prints through a range of mesh counts.
- Fast flash, first down white with low after tack.
- Optically brightened to produce superior whiteness and opacity
- Non-Phthalate formulation to comply with new regulations restricting phthalates.

Application

Print EL9240 directly onto 50/50 substrates to obtain ultimate opacity and bleed resistance. EL9240 may be applied as an underlay white when printed through mesh ranges from 86-230 mc./in. (34-90 mc./cm.) to achieve very fine details like simulated halftones, or can be printed as a stand alone white for maximum whiteness. The quick flash characteristics of this product allow it to function either way.

NOTE: Poorly dyed polyester or too much heat in the curing process can overcome any low bleed inks ability to block the migration. For severe migration use ES0266 Barrier Base as an underlay.

***Note to 100% Cotton users: 100% Cotton could have a ghost image appear if printed with low bleed inks. EL9240 NPT Snap White is a low bleed ink and should not be printed on 100% Cotton. EL9240 NPT Snap White is recommended for polyester/cotton blends.**

Special Recommendations

- **Do not dry clean, bleach, or iron the printed image.**

Claira Colors™, bases, modifiers and additives should be mixed in clean vessels using clean mixer blades and utensils. Any contamination from other ink sources or non approved additives could make Claira Colors™ test positive for the restricted phthalates.

Rutland Plastic Technologies does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSC HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of Claira™ High Opacity Non-Phthalate Mixing System Inks and Claira™ Non-Phthalate Concentrate Mixing System Inks. Rutland Plastic Technologies does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.

ANY APPLICATION NOT REFERENCED IN THIS TECHNICAL DATA SHOULD BE PRE-TESTED OR CONSULTATION SOUGHT WITH RUTLAND'S APPLICATIONS LABORATORY PRIOR TO PRINTING. CALL 704-553-0046 EXT. 192 FOR MORE INFORMATION.