



Technical Data Sheet #340

5/06/2009

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Great
Surface Appearance	Matte
Opacity/Viscosity	High/High
Bleed Resistance	Good for Poly/Cotton Blends
Gel Point/Flash Time	160°F (71°C.) / decreases with deposit thickness
Fusion Temperature	320°F (160°C.)
Squeegee Hardness	Medium/Hard
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium to High
Underlay	EL0266 Barrier Base (Grey)
Emulsion	Capillary Film or Direct 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	Non-phthalate screen wash
MSDS	# 38
Color Range	NPT HO LB White
Substrate Type	Poly/Cotton
Substrate Color(s)	Light, Medium, & dark fabrics

Claira™ NPT Non-Phthalate HO LB White

EL9074 NPT HO LB White

Description

EL9074 NPT HO LB White is formulated as a press-ready non-phthalate low bleed plastic white for printing on Poly/Cotton blends. **NPT HO LB White** has good dye migration resistance. For severe bleeding fabrics we suggest ES0266 Barrier Base (Grey) or EL9746 NPT Super Poly White as an under base for maximum protection against dye migration.

Features of NPT HO LB White

- Short body for easy printing.
- Fast shearing action means higher press speeds.
- Good low bleed qualities for printing on Poly/Cotton Blends
- Matte finish
- Comparable to Rutland's Snap White except EL9074 is non-phthalate.
- Good shelf stability

Application

Print directly onto Poly/Cotton substrates. **NPT HO LB White** is normally printed through mesh ranges from 86–230 mc in. (34–90 mc. CM.) Recommend 70-80 Durometer squeegee with sharp edge for maximum definition. Proper cure is achieved when garment reaches 320°F (160°C.).

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.

Special Recommendations

Claira Colors™, Whites 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.

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

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™ Non-Phthalate HO LB White nor any of the Claira Specialty 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.

***Note to 100% Cotton users: 100% Cotton could have a ghost image appear if printed with low bleed inks. EL9074 NPT HO LB White is a low bleed ink and should not be printed on 100% Cotton. EL9074 NPT HO LB White is recommended for polyester/cotton blends.**

ANY APPLICATION NOT REFERENCED IN THIS TECHNICAL DATA SHOULD BE PRE-TESTED OR CONSULTATION SOUGHT WITH RUTLAND'S APPLICATIONS LABORATORY PRIOR TO PRINTING.

