Claira™ NPT Non-Phthalate White Inks

Technical Data Sheet #287 4/21/2009	
Wet Ink Tack	Medium
After Flash Tack	Low
Printability	Great
Surface Appearance	Matte
Opacity/Viscosity	High/High
Bleed Resistance	Great for 100% Polyester
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	86-156 mc in. (34-62 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	Poly White
Substrate Type	100% Polyester
Substrate Color(s)	Light, Medium, & dark fabrics

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

EL9746 NPT Super Poly White

Description

EL9746 NPT Super Poly White is formulated as a press-ready non-phthalate low bleed plastisol white for printing on 100% Polyester. **NPT Super Poly White** has great dye migration resistance. For severe bleeding fabrics we suggest EL0266 Barrier Base (Grey) as an under base for maximum protection against dye migration.

Features of NPT Super Poly White

- Short body for easy printing.
- Fast shearing action means higher press speeds.
- Great low bleed qualities for printing on 100% polyester
- Will not bleach out colors that are printed over top when used as an underlay.
- Non-Phthalate

Application

Print directly onto 100% Polyester substrates. **NPT Super Poly White** is normally printed through mesh ranges from 86—156 mc in. (34—62 mc. CM.) Recommend 70-80 Durometer squeegee with sharp edge for maximum definition. Proper cure is achieved when garment reaches 320ºF (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.

***Note to 100% Cotton users: 100% Cotton could have a ghost image appear if printed with low bleed inks. EL9746 Super Poly White is a low bleed ink and should not be printed on 100% Cotton. EL9746 Super Poly White is recommended for polyester or polyester/cotton blends.**

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 Super Poly 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.