

Technical Data Sheet #320

07/17/2009

Wet Ink Tack	Low, Tack free
After Flash Tack	Decreases with increase mesh
Printability	Excellent, for fast production
Surface Appearance	Thick film is Satin finish
Opacity/Viscosity	Medium/Medium
Bleed Resistance	None
Gel Point/Flash Time	160°F (71°C.)
Fusion Temperature	320°F (160°C.)
Squeegee Hardness	70-80 durometer
Squeegee Blade	Sharp
Squeegee Angle	45° to screen mesh
Squeegee Speed	Maximum
Underlay	N/A
Emulsion	Direct, Indirect, Capillary film
Mesh Count	86—110 mc in (34—43 mc cm) and finer
Extender	EN0053 NPT Clear Base
Storage	65°F to 95°F (18°C to 35°C). Avoid direct sun.
Cleanup	Bio-degradable screen wash
MSDS	# 38
Color Range	EN9036 NPT American White
Substrate Type	Nylon Mesh Jerseys (not for Polyester)
Substrate Color(s)	Light, Medium, and Dark

Claira™ NPT Non-Phthalate Nylon Mesh Inks

EN9036 NPT American White

Description

EN9036 NPT American White has been formulated to provide ultimate opacity and creamy viscosity. Additional adhesion and stretch has been incorporated into this formula for printing on 100% nylon mesh fabrics. EN9036 provides good opacity and a smooth semi-gloss finish. Note: EN9036 is NOT low bleed and would not be recommended for 100% polyester fabrics, however; EL9746 NPT Super Poly White is formulated for 100% polyester fabrics.

Features

- Brightened to keep colors clean when over printed and is bright when used as a stand alone white.
- Tack free formulation for fast shearing action.
- Durable product that provides desired scuff resistance for athletic nylon jerseys.
- Standard athletic white for underlay and highlight applications.
- Will allow printing on nylon jerseys leaving the holes open as many brands prefer.
- Non-Phthalate formulation to comply with new regulations restricting phthalates.

Application

The creamy viscosity allows the use of fine mesh counts for crisp edge definition, improved detail and wash results. Print through 86—110 mc in (34—43 mc cm) for maximum coverage and durability. Will also print through much finer mesh when using minimum ink lay down to print with the jersey holes open.

Special Recommendations

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.

- **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™ 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.