

Technical Data Sheet #331

07/21/2009

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Good
Surface Appearance	Dull
Opacity/Viscosity	High/High
Bleed Resistance	N/A
Gel Point/Flash Time	165°F (71° C.) / decreases with deposit thickness
Fusion Temperature	320°F (160° C.)
Squeegee Hardness	Soft
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium to High
Underlay	Low Bleed for poly/cotton
Emulsion	Direct, Indirect, or Capillary Film
Mesh Count	60 mc in (24 mc cm)
Extender	N/A
Thinner	N/A
Storage	65°F to 95°F (18° C to 33° C) Avoid direct sun
Cleanup	Bio-degradable screen wash
MSDS	# ES0137
Color Range	ES0137 NPT Sponge Puff Base
Substrate Type	100% Cotton and 50/50 Poly/Cotton with a low bleed underlay.
Substrate Color(s)	Light, Medium, & Dark fabrics

Claira™ NPT Non-Phthalate Specialty Inks

ES0137 NPT Sponge Puff Base

Description

ES0137 NPT Sponge Puff was developed as a soft hand puff product for creating a soft, more durable puff print.

Features

- Press ready plastisol for printing on dark 100% cotton and over a low bleed under lay.
- Colors created by using C3 Color Boosters at up to 50%.
- Creamy plastisol for easy printing.
- Low tack formulation for fast shearing action.
- User friendly, no modifications necessary.
- Non-Phthalate formulation to comply with new regulations restricting phthalates.

Application

Print ES0137 on 100% Cotton, as a mixed color, or over a low bleed underlay white for poly/cotton. For best results print NPT Sponge Puff through a 60 mc in (24 mc cm) mesh count. Finer mesh counts may be used when printing on top of other inks, such as High Density, to give a soft puff finish.

***Note to 100% Cotton users: 100% Cotton could have a ghost image appear if printed with this ES0137. Test the particular color garment prior to printing production run to insure this product will not cause a ghost on your garment. See Test Procedures at <http://www.rutlandinc.com/screen/techbulletins>.**

- **Do not dry clean, bleach, or iron the printed image.**
- **Note: This is not a low bleed ink. Do not print on polyester fabrics.**

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.

