

EL9330 NPT FF LB TIDY WHITE

Technical Data Sheet #367

January 26, 2012

| | |
|-----------------------------|--|
| Wet Ink Tack | Low |
| After Flash Tack | Medium |
| Printability | Great |
| Surface Appearance | Satin |
| Opacity/Viscosity | High/Medium |
| Bleed Resistance | Medium (test fabric) |
| Gel Point/Flash Time | 155°F / decreases with deposit thickness |
| Cure Temperature | 325°F (162°C) |
| Squeegee Hardness | Medium |
| Squeegee Blade | Sharp |
| Squeegee Angle | 45° |
| Squeegee Speed | Medium to High |
| Underlay | Depending on the fabric |
| Emulsion | Capillary Thick Film |
| Mesh Count | 83–160 mc. in. (32–62 mc. cm.) |
| Extender | N/A |
| Thickener | N/A |
| Storage | 65°F to 95°F. Avoid direct sun. |
| Cleanup | Non-hazardous screen washes |
| MSDS | #38 |
| Color Range | EL9330 NPT LB FF Tidy White |
| Substrate Type | Cotton or underlay |
| Substrate Color(s) | Light, Medium, & Dark fabrics |

Product Overview:

NPT FF LB Tidy White exhibits a brilliant whiteness and has a soft, creamy consistency that is very easy to print, but also has a very high opacity. It is excellent for printing on most substrates, such as 50/50 cotton polyester blend, 100% cotton and fleece fabrics. It is soft, creamy, easy to print, has excellent opacity, good flash times and that incredible "whiteness."

Printing:

Screen meshes in the range of 83-160 MCI (32-62 MC cm) are recommended for best opacity. NPT FF LB Tidy White will print through up to a 305 MCI (120 MC cm) with excellent opacity. Use just enough squeegee pressure to deposit the ink on the surface of the shirt. Try not to drive the ink into the fabric. Squeegees in the 70 durometer range, with a sharp edge, work well.

Substrates:

NPT FF LB Tidy White is designed to provide maximum opacity on dark fabrics, 100% cotton or cotton/poly blends.

Note: NPT FF LB Tidy White should be tested on the production fabric to insure bleed resistance prior to printing production runs.

Modifiers:

NPT FF LB Tidy White is a ready-to-print ink. Modification is not necessary unless you're trying to achieve a special effect or use. Any extenders will affect opacity. NPT FF LB Tidy White has excellent shelf life and, with cool storage, will maintain its creamy consistency.

Flashing:

Depending on your flash unit, NPT FF LB Tidy White will flash in 3 seconds depending on the power and type of flash cure unit used.

Curing:

Cure at 325°F (162°C) over a 60-90 second period, depending on oven type and thickness of ink deposit. A thicker deposit will take longer to cure as the heat must penetrate through the entire ink layer.

Special Recommendations

- **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 NPT FF LB Tidy White nor any of the Clairia 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.