EL9021 SILKY LB WHITE

Technical Data Sheet #390 Sept 5, 2014	
Wet Ink Tack	Low
After Flash Tack	Low
Printability	Great
Surface Appearance	Satin
Opacity/Viscosity	High/Medium
Bleed Resistance	Good for poly/cotton
Gel Point/Flash Time	150°F / decreases with deposit thickness
Cure Temperature	320°F (160°C)
Squeegee Hardness	70 Durometer
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium to High
Underlay	N/A
Emulsion	Direct Emulsion
Mesh Count	86—305mc. in. (34—120 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	EL9021 SILKY LB White
Substrate Type	Poly/Cotton Blends
Substrate Color(s)	Light, Medium, & Dark fabrics

Product Overview:

SILKY LB White is designed for maximum smoothness and opacity on poly/cotton fabrics. It is opaque, with excellent matting characteristics and a creamy consistency. This low bleed ink is designed to print with on both manual and automatic presses. SILKY LB White is fast flashing, allowing for shorter dwell times and faster production rates. It works well for highlights or as a stand-alone white.

Printing:

For best results, flood the image and print using a sharp 70 durometer squeegee. A 65-90-65 durometer squeegee may be used when a very heavy deposit is required. SILKY LB White will print through screen meshes in the range of 86-305 MCI (32-120 MC cm). For smoothest deposit, use 160 MCI (62 MC cm) mesh or higher when necessary. Coarse meshes (86—110 MCI, 34-43 MC cm) are recommended for a thicker ink deposit which may be needed for heavy fleece fabric.

Additives:

SILKY LB White is a ready-to-print ink. Reduce, only if necessary, using curable reducer. Reducing the viscosity will also reduce the opacity and bleed resistance of the ink. Please test before production run.

Flashing:

Parameters vary between all flash units. Flash for 2-3 seconds with the ink deposit reaching 150-250°F (65-121°C). Ink should be dry and without tack. Warning: Over flashing can cure the ink and prevent adhesion between coats of ink.

Curing:

Cure at 320°F (160°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 SILKY LB White nor any of the Claira 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.