Technical Data Sheet 02/08/2013	
Wet Ink Tack	Low
After Flash Tack	Low
Flood Stroke	Load ink into mesh opening
Screen tension	As recommended for mesh
Printability	Excellent for fast production
Surface Appearance	Satin finish
Opacity/Viscosity	High opacity.Optimum viscosity.
Bleed Resistance	Good for Poly/Cotton Blends
Gel Point/Flash Time	145ºF (62.8ºC.) / 3-4 s
Fusion Temperature	320ºF (160.0ºC.)
Fusion Time	60 seconds
Squeegee Hardness	70
Squeegee Blade	Sharp
Squeegee Angle	45º
Squeegee Speed	Fast
Underlay	Black Barrier on 100% Polyester
Print Stroke	Maximum speed
Emulsion	Phthalate Compliant Emulsion
Mesh Count	86 - 156 mc. in. (34 - 62 mc. cm.)
Extender	N/A
Thickener	N/A
Storage	Store in a closed container from 65 to 95 degrees F. (18 to 35 degrees C.)
Cleanup	Environmentally Friendly screen wash
MSDS	043
Substrate Type	100% cotton, Cotton + polyester blends, 100% Polyester, Performance Fabrics
Substrate Color(s)	Dark

PVC FREE PLASTISOL

RL9090 EKO LB White

Description

Is a PVC and phthalate-free plastisol textile white ink belonging to the EKO series from Rutland Plastic Technologies. This product was formulated to print on polyester-cotton fabrics where migration or dye transfer from the fabric to the print occurs. Note: 100% Polyester requires the use of RS0992 Black Barrier under base. The use of this product controls migration problems but, will not eliminate it entirely. We recommend the user to carry out all relevant tests to ensure that desired results are achieved. In some cases, migration could take many days to occur. In all cases, effectiveness can't be guaranteed Discoloration or ghosting could appear in some fabrics (It's recommended to perform tests prior to printing).

Features

- Reduces colorant migration of the fabric to the print.
- Good tensile strength and stretchability.
- Good wash resistance.
- No Screen drying, very easy shear making printing a breeze.
- Passes all requirements for major brand RSL and government regulations.
- No PVC, no lead, no phthalates, no formaldehyde, no APEO's

Application

On 100% Polyester: Apply one layer of EKO Barrier Black, flash; then, apply 2 layers of EKO LB White and cure. Poly cotton requires print-flash-print-flash and then apply the top color.

Special Recommendations

Dye migration from the fabric might occur several days after printed. Due to the great diversity of existing fibers, we can't guarantee its effectiveness in all cases.
We recommend to use a stencil with a well-tense mesh (minimum 20 N/cm) to achieve optimal results. Do not iron the printed area, do not dry-clean.

ANY APPLICATION NOT REFERENCED IN THIS TECHNICAL DATA SHOULD BE PRE-TESTED OR CONSULTATION SOUGHT WITH RUTLANDS APPLICATIONS LABORATORY PRIOR TO PRINTING. CALL 704-553-0046 EXT. 151 FOR MORE INFORMATION.

Rutland Plastic Technologies does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSIA 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 EKO 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.