



Recommendations	
<b>Product Overview</b>	
Product Code	ES0266
Industry	Inks
Application	Screen Printing
Category	Specialty Inks
Sub-Category	Base
Chemistry	Plastisol
Substrate(s)	Poly
Best Used By	12 months
Certification(s)	ISO9001
<b>Curing:</b>	
Fusion Temperature	320 °F
Gel Point	150 °F
<b>Performance:</b>	
Viscosity	High
Finish(s)	Low tack formulation for fast shearing action, Non-Phthalate formulation to comply with new regulations restricting phthalates.
Coverage	High Opacity
After Flash Tack	Low
<b>Squeegee:</b>	
Squeegee Profile	Square
Squeegee Type	Polyurethane
Squeegee Speed	Medium/High
<b>Screen:</b>	
Mesh	86 to 110
Emulsion Type	Capillary film, Direct, Indirect
Cleanup	Bio-degradable screen wash
<b>Storage:</b>	
Storage Temperature	65°F - 95°F (18°C - 35°C)
Storage Notes	Avoid direct sun.

Last Change: Feb 2017

## NPT BARRIER BASE

ES0266 NPT Barrier Base is a high opaque, low bleed under base that has been formulated for maximum opacity and excellent bleed resistance on 100% Polyester. Testing of this product has been very successful on various fabrics to include 100% Polyester Jerseys, 100% Polyester Performance fabrics, Rotary Screen printed goods, Sublimated prints, and works to block fabric color migration when printing a clear top coat over a white. ES0266 NPT Barrier Base prints with a satin finish and is grey in color similar to Pantone 430 C.

### Features

- High performance under base for 100% Polyester.
- Creamy, short body plastisol for easy printing.
- User friendly, no viscosity modifications necessary.
- Superior low bleed properties.
- Low tack formulation for fast shearing action.

### Instructions

Print Barrier Base straight from the container. Barrier Base is user friendly and may be printed through 86-110 mc in (34 - 43 mc cm) mesh range without modifying the viscosity. Print Rutland's standard White inks on top to have a brilliant White print! Use softer squeegee or thicker emulsion on both the the Barrier base and White screen to insure complete coverage and maximum low bleed properties. A thicker layer of Barrier Base is suggested for severe bleeding fabrics. NOTE: Due to variations in dyed polyesters, any application whether referenced or not in this technical data should be pre-tested for suitability on the actual production fabric and/or consultation sought with Rutland's Applications Laboratory prior to printing.

### Recommendation

Do not dry clean, bleach, or iron the printed image. Clairra 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 Clairra Colors™ test positive for the restricted phthalates.

### Statement

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-isobutyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of Clairra High Opacity Non-Phthalate 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.

### Disclaimer:

Not all Rutland products are available in every country. Please check with your local representative for availability. The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.