



EL SERIES - RUTLAND LOW BLEED COLORS

Rutland Low bleed colors are formulated to produce high opacity prints on Cotton/Poly Blends.

Highlights

- Creamy and very low wet tack for easy printing
- Ready for use, just stir and print
- Great for hand presses or automatic printing machines
- Easy to use, maintains print viscosity without thinning during print run
- Formulated to be opaque for direct printing on both lights or darks. Competitive with lower opacity products currently sold in the print market

Printing Tips

- Print NPT HO LB inks onto polyester or polyester/cotton blends over an NPT underlay white for brilliant colors.
- Caution! Extremely bad bleeding polyester may require an under base of EL9760 NPT Super Poly Plus White or ES0266 NPT Barrier Base for maximum bleed blocking.
- EL NPT HO LB ink is normally printed through mesh ranges from 86 to 200 t/in (34 to 78 t/cm) Recommend 70-80 Durometer squeegee with sharp edge for maximum definition.
- Proper cure is achieved when garment reaches 320°F for 6-8 seconds (160°C.).
- EL NPT RFU INKS ARE NOT DESIGNED FOR WET ON WET PRINTING. YOU SHOULD FLASH BETWEEN EACH COLOR.
- Poorly dyed polyester or too much heat in the curing process can overcome any low bleed inks ability to block the migration. For severe migration use ES0266 NPT Barrier Base as an underlay.
- These inks will provide good bleed resistance and brilliant colors when printed in the lower mesh range and used over a LB White underlay.
- We suggest using EL9760 NPT Super Poly Plus White for Polyester fabrics and EL9073 NPT SF-2 LB White for poly/cotton blends as an underlay.

Compliance

- Non-phthalate
- Internationally compliant
- Visit <https://www.avientspecialtyinks.com/services/compliance-support>

Precautions

- The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications.

Recommended Parameters

<p>Fabric Types Blends, Polyester</p>	<p>Flash & Cure Flash: 140-150°F on pre-heated pallets Cure: 320°F</p>	<p>Clean Up Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant</p>
<p>Mesh Count: 86-230 t/in Tension: 18n-25n/cm³</p>	<p>Pigment Loading N/A</p>	<p>Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p>
<p>Squeegee Durometer: 70,80 Profile: Square Stroke: 1+ Angle: 10-15%</p>	<p>Additives Extender: not recommended K2940 HUGGER CATALYST</p>	<p>2023, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.</p>
<p>Stencil Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	<p>Storage 65 -95° F (18 -35° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.</p>	



AVIENT SPECIALTY INKS

V5.00 (Modified: 12/08/2023)