

Rutland™ CHILL™ LB LOW CURE COLORS



Rutland™ Chill™ LB Low Cure Colors are formulated to produce high opacity prints on Cotton/Poly Blends and 100% Polyester fabrics. These vibrant and bold colors demonstrate amazing printability on both manual and automatic presses. Chill LB LB Colors replace the NPT EL colors.

Highlights

- Wide cure temperature range from 250°F-300°F (121°C-148°C)
- Shears down quickly to a creamy, smooth body
- Formulated to be opaque for direct printing on both light or dark fabrics
- Energy savings and extra stability on problematic fabrics
- Works well on manual or automatic presses

Printing Tips

- For best results, use a print-flash-print technique to ensure sufficient ink deposit on dark fabrics.
- For challenging polyester fabrics, use Rutland LB0266 Chill LB LC Barrier Base as a base layer to achieve maximum bleed resistance.
- Adjust flash cure temperature and dwell time so ink is just dry to touch. Avoid excessive flash temperatures to protect fabric and migration of dyes. Depending on flash unit, a 3-5 second flash is adequate.
- Use 86-230t/in (34-90t/cm) mesh screens for best performance and opacity.
- A behavior for high-opacity low cure inks is to "body-up" or gain viscosity when at rest. Be sure to "Pre-shear" or agitate this ink before use to achieve optimal flow before printing. Be careful to not use high-speed drills or similar equipment that will create friction-heat that can cause the ink to begin to cure. Store ink buckets up off of cold floors to reduce pre-shear time.
- Curing is a time and temperature process. Using a lower temperature, at a lower belt speed will provide the best result without damaging the fabric.
- Chill LB LC colors are not created for wet-on-wet printing. You should flash between each color.
- Printers should always test the ink on their fabric under their process conditions before printing production runs.

Compliance

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

Sustainability



Reduced Energy Use

Precautions

- The information provided in this document 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

Fabric Types Poly blends, 100% Polyester	Flash & Cure Flash: 150°F (66°C) Cure: 250°F-300°F (121°C-149°C)	Clean Up Non-phthalate press wash
Mesh Count: 86- 230t/in (34 -90t/cm) Tension: 18-35n/cm3	Pigment Loading N/A	Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR
Squeegee Durometer: Medium: 60-70, 60/90/60 Profile: sharp, square Stroke: 2 stroke, medium speed Angle: 10°-20°	Additives K2912 VISCOSITY BUSTER LC K2940 HUGGER CATALYST Extender: Not recommended	2025, 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.
Stencil Standard Emulsion Off Contact: 1/16" (2mm) Emulsion Over Mesh: 15-20%	Storage 65°-90° F (18°-32° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.	
	AVIENT SPECIALTY INKS	V4.00 (Modified: 03/21/2025)