



Rutland™ LB9810 CHILL LB LC FLEX POLYWHITE

LB9810 Chill LB LC Flex Polywhite is a flexible cure white ink with a soft finish, excellent coverage, great fiber mat-down, and dye blocking abilities for a wide range of fabrics. When printing on fabrics that exhibit unstable dyes, this ink allows you to drop the cure temperature as low as 250°F (121°C) offering you better dye migration control and lowering energy consumption costs.

Highlights

- High-opacity on dark fabrics
- Excellent bleed resistance at a wide temperature range
- Excellent stretch

Printing Tips

- * On Polypropylene and Rayon fabrics the recommended curing profile is 250°F (121°C)
- Use 86-156t/in (34-61t/cm) mesh screens for optimal performance and opacity.
- For challenging fabrics using sublimation dyes, a bleed blocking underbase such as LC0550 Chill LC Barrier Grey may be required.
- Adjust your print parameters to allow this ink to clear fully on the second stroke using medium to low pressure for best dye blocking and opacity. As this ink shears down, less pressure will be required. Adjust accordingly.
- 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.
- 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.
- 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



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

100% polyester, triblends, polyester blends, polypropylene*, rayon*



Flash & Cure

Flash: 180°F (82°C)
Cure: 250°-320° F (121° -160° C)



Clean Up

Non-phthalate press wash



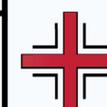
Mesh

Count: 86-180 t/in (34-71 t/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

K2940 HUGGER CATALYST



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.

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