

UPLC LOW BLEED COLORS

Union Ink™ UPLC LB colors are polyester low bleed plastisol screen printing inks with excellent opacity and adhesion for 100% polyester athletic uniforms. UPLC LB colors have a flexible cure profile that can cure as low as 250°F (121°C) with recommended paramters. These inks replace Union Ink ATHP colors.

Highlights Printing Tips Excellent bleed resistance at a wide temperature range 250 °F-300 °F For best results, use a print-flash-print technique to ensure sufficient ink (121°C -149°C) deposit on dark fabrics. Shears down quickly to a creamy, smooth body For challenging polyester fabrics, use Union Ink UPLC1555 LB Sport Victory Barrier Grey as a base layer to achieve maximum bleed resistance. Soft hand and excellent stretch Wide color palette of Union Ink standard colors Adjust flash cure temperature and dwell time so ink is dry to the touch. Avoid excessive flash temperatures to protect fabric and migration of dyes. Depending on flash unit, a 3-5 second flash is adequate. Superior opacity on dark fabrics Works well on manual or automatic presses 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. Do not use high-speed drills or similar equipment that will create friction-heat that can cause the ink to begin to Compliance Sustainability cure. To reduce pre-shear time, do not store ink buckets on cold floors. Non-phthalate Adjust your print parameters to allow this ink to clear fully on the second Internationally compliant stroke using medium to low pressure for best dye blocking and opacity. As Reduced this ink shears down, less pressure will be required. Adjust accordingly. **Energy Use** Visit https://www.avientspecialtyinks.com/ services/compliance-support Curing is a time and temperature process. Use a low temperature and low belt speed to achieve the best results without causing damage to the fabric. **Precautions** The information provided in this document is given in good faith and does not Avoid "hot stacking" printed poly garments coming off the dryer belt. This release you from testing inks and fabrics to confirm suitability of substrate will help stabilize the shirt pigment.

Recommended Parameters

and application process to meet your customer standards and specifications



Fabric Types

Poly blends, 100% Polyester



Flash & Cure

Flash: 140°F (60°C)

Cure: 250°F-300°F (121°C -149°C)



Clean Up

Non-phthalate press wash



Mesh

Count: 86- 230t/in (34 -90t/cm)

Durometer: Medium: 60-70, 60/90/60

Stroke: 2 stroke, medium speed

Tension: 18-35n/cm3

Profile: sharp, square



Pigment Loading



Additives

K2912 VISCOSITY BUSTER LC **K2940 HUGGER CATALYST**



Stencil

Squeegee

Angle: 10°-20°

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.



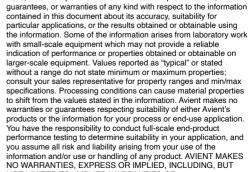
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