PRODUCT INFORMATION BULLETIN

UPLC1555 LB SPORT VICTORY BARRIER GREY

UNION INK™ LOW CURE

UPLC1555 LB Sport Victory Barrier Grey is a flexible cure base that achieves ink film fusion as low as 250°F (121°C) when printing on polyester garments. UPLC1555 offers great print performance, even on garments that are prone to heat shrinkage and produced with unstable dyes. Try UPLC1555 when printing over dye-sublimated polyester with "camo" or "digi-hex" designs. UPLC whites and color inks can be printed on top of this base as an over-print.

Highlights

- Excellent bleed resistance at a wide temperature range: 250°F-320°F (121°C-160°C)
- Shears down quickly for a creamy, smooth body
- Soft hand
- Works well on manual or automatic presses
- Excellent stretch
- High opacity on dark fabrics when used as an under base

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

Printing Tips

- Use 86–110t/in (34-43t/cm) mesh screens for best performance and opacity.
- For best results, use a print-flash-print technique to ensure sufficient ink deposit on dark fabrics.
- When printing under a white or color over-print, it is typical to print two strokes of the barrier grey, flash until dry to the touch, and then print white or colors over the barrier underbase, flashing as needed.
- Adjust flash cure temperature and dwell time so ink is just dry to the touch. Avoid excessive flash temperatures to protect fabric and migration of dyes. Depending on the flash unit, a 3 - 5 second flash is typically adequate.
- 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 and cause the ink to begin to cure. Store ink buckets away from cold floors to reduce pre-shear time.
- To achieve bleed resistance and opacity, allow the ink to clear fully on the second stroke by using medium to low pressure. As this ink shears down, less pressure will be required. Adjust accordingly.
- Curing is a temperature over time process. Maintain the recommended cure temperature and belt speed to best protect fabrics.

Recommended Parameters

Fabric Types
Poly blends, 100% Polyester

Flash & Cure
Flash: 150° F (66° C)
Cure: 250°-320° F (121° -160° C)

Clean Up
Non-phthalate press wash

Mesh
Count: 86-110 t/in (34-43t/cm)
Tension: 18-25n/cm3

Pigment Loading
N/A

Health & Safety
Find safety 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

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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