



**UPLC1555 LB SPORT VICTORY
BARRIER GREY**

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

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.

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

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| <p>Fabric Types Poly blends, 100% Polyester</p> | <p>Flash & Cure Flash: 150° F (66° C) Cure: 250°-320° F (121° -160° C)</p> | <p>Clean Up Non-phthalate press wash</p> |
| <p>Mesh Count: 86-110 t/in (34-43t/cm) Tension: 18-25n/cm3</p> | <p>Pigment Loading N/A</p> | <p>Health & Safety Find safety information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p> |
| <p>Squeegee Durometer: Medium: 60-70, 60/90/60 Profile: sharp, square Stroke: 2 stroke, medium speed Angle: 10° -20°</p> | <p>Additives K2912 VISCOSITY BUSTER LC K2940 HUGGER CATALYST</p> | <p>2024, 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) Emulsion Over Mesh: 15-20%</p> | <p>Storage 65°-90° F (18°-32° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.</p> | |



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