

**UPLC1071 G2 SPORT LC
POLY-WHITE**



Union Ink™ Gen2 LC Poly White is a high opacity low bleed low cure white that produces a very soft, matte to low gloss finish with terrific fiber mat-down and great dye blocking ability on a wide range of fabrics. UPLC1071 Poly White shears down quickly to print like similar low cure products, but retains an even flood and does not "puff" as much as competitive products resulting in excellent printability and detail.

Highlights

- Excellent bleed resistance at a wide temperature range, low cure 270°F/132°C with maximum cure of 320°F/160°C
- Shears down very quickly to a very creamy, smooth body
- Premium soft hand, drape and excellent stretch
- High opacity on dark fabrics
- Perfect choice for vector and fine mesh half-tone jobs
- Superior performance on both manual or automatic presses

Printing Tips

- Use 86–230t (34-90t/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.
- For challenging polyester fabrics, use Union Ink™ UPLC1550 Low Cure Barrier Grey or UPLC8550 Barrier Black 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.
- 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.
- 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.

Compliance

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

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

<p>Fabric Types Poly blends, 100% Polyester</p>	<p>Flash & Cure Flash: 150° F (66° C) Cure: 270°-320° F (132° -160° C)</p>	<p>Clean Up Non-phthalate press wash</p>
<p>Mesh Count: 86- 230t/in (34 -90t/cm) Tension: 18-35n/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 Stir ink in bucket (pre-shear) before deciding to use reducer. K2940 HUGGER CATALYST</p>	<p>2021, 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</p>	



AVIENT
SPECIALTY
INKS

V3.09 (Modified: 18/04/2022)