



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		Printing Tips	
	Excellent bleed resistance at a wide temperature range, low cure 270°F/132°C with maximum cure of 320°F/160°C		Use 86–230t (34-90t/cm) mesh screens for best performance and opacity
	Shears down very quickly to a very creamy, smooth body		For best results, use a print-flash-print technique to ensure sufficient ink deposit on dark fabrics.
	Premium soft hand, drape and excellent stretch		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.
	High opacity on dark fabrics		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.
	Perfect choice for vector and fine mesh half-tone jobs		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.
	Superior performance on both manual or automatic presses		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	Sustainability
Non-phthalate	Reduced Energy Use
Internationally compliant	
Visit 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

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