

EL9755 ENDURANCE PLUS WHITE


Rutland™

Endurance Plus is a low temperature white with great opacity. When combined with EL0755 Endurance Plus Barrier Grey as an underlay, it has the best low temperature dye migration resistance on all 100% polyester performance fabrics in the market today. Endurance exhibits great bleed resistance, opacity and coverage. This short to medium bodied ink produces a satin hand with very low after flash tack and low flash times. Printability, fiber mat down, and matte finish all rate as excellent. While this ink was designed specifically for polyester, it prints very smoothly on most all garments.

Highlights

- Matte finish with satin hand and 285F cure temperature.
- High opacity with fast flash.
- Often used on non-poly fabrics.
- Great stretch, adhesion, and recovery makes it a perfect athletic ink.
- This white has an optical brightener to assure it remains bright under various light sources.

Compliance

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












Precautions

- The information above 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

- It is best practice to "pre-shear" ink before introduction to the screen. Do this by "Slicing and folding" the ink with an ink knife. Do not mix with power drill, friction heat from mechanical mixers other than a "Turn about" style mixer will thicken up the ink body.
- Use any direct emulsion or capillary film compatible with plastisol inks. When using liquid emulsions, a good coating technique (2+1) starting on the print side and proper exposure typically provides the best opacity, edge definition, and stencil longevity.
- Print with lower pressure than standard Poly inks. Your image should clear on the second stroke for softest prints.
- Under base with EL0755 Endurance Plus Barrier Grey for best results on bad dye bleeders, camo, tie-dye, and sublimated Polys. Always print a test garment and let sit for 8-24 hours to determine dye migration level of garment.
- Once this ink is sheared, you may find that softer squeegees produce better prints.
- This ink is popular as a general purpose white in shops that choose to only use 1 or 2 whites in their day-to-day operations. It should be noted that as is common with Poly inks, this ink will "puff".

Recommended Parameters

 Fabric Types Poly & most blends	 Flash & Cure Flash: 120-140°F on pre-heated pallets Cure: 60 seconds at 285-290°F (140C-143°C)	 Clean Up Standard plastisol cleaners, press wash, or ink degradant
 Mesh Counts: 86 - 156 Tension: 18-35n/cm3	 Pigment Loading Not recommended	 Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR
 Squeegee Medium: 70 or 60-90-60 Profile: Square Stroke: x2 stroke, medium speed Angle: 10-20%	 Additives Fiberbond EA0001 7.5-15% by weight	<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>
 Stencil Standard Emulsion Off Contact: 1/16" (2mm) Emulsion Over Mesh: 15-20%	 Storage 65 -95° F (18 -35° C) Avoid direct sunlight	
	AVIENT SPECIALTY INKS	V3.03 (Modified: 03/11/2021)