



**ATHP - READY-FOR-USE POLY LOW BLEED INKS**

The ATHP is a polyester low bleed plastisol ink series providing high opacity and an excellent adhesion for 100% polyester athletic uniforms.

**Highlights**

- ATHP ink series are high-opacity, low-bleed plastisols formulated to fight dye migration on the worst bleeding fabrics.
- ATHP inks allow for the user to print flash print most any ATHP color on most any garment color with out the need for an under base.
- This ink system cures at 300° F
- ATHP Series inks are self-under basing. Print/Flash/ Print for best opacity and durability.

**Printing Tips**

- Direct print low-bleed series for controlling dye migration on 100% polyester fabrics. Athletic uniforms or any other fabrics prone to dye migration  
Stencils: Any direct emulsion or capillary film compatible with plastisol inks.
- For the best coverage, bleed resistance and brightest prints, adjust the off-contact distance and squeegee pressure to print the ink layer on top of the printed fabric rather than pushing the ink entirely through it.
- This ink is most effective with thicker screen stencils.
- Take care to not "over-flash" this or any plastisol ink. Flash to gel just short of cure to ensure inter-coat adhesion.
- Dyed Poly fabrics become unstable around 230° F, be sure to cool down garment quickly after successful cure is reached.
- Avoid "hot stacking" printed poly garments coming off the dryer belt. This will help stabilize the shirt pigment.
- Poly garments that are allowed to remain warm after exiting the dryer are more susceptible to dye migration.

**Compliance**

- Non-phthalate
- Internationally compliant
- Visit <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.

**Recommended Parameters**

<p><b>Fabric Types</b> Polyester and Poly Blends</p>	<p><b>Flash &amp; Cure</b> Flash: 150-160F on Pre-heated pallets Cure: 300F</p>	<p><b>Clean Up</b> Standard plastisol cleaners, press wash, or ink degradant</p>
<p><b>Mesh</b> Count: 83-156 Tension: 25n/cm3</p>	<p><b>Pigment Loading</b> N/A</p>	<p><b>Health &amp; Safety</b> Find safety information here: <a href="http://www.avient.com/resources/safety-data-sheets">www.avient.com/resources/safety-data-sheets</a> or contact your local CSR</p>
<p><b>Squeegee</b> Durometer: 70, 80 Profile: Square Stroke: 2+ Angle: 10-20%</p>	<p><b>Additives</b> PLRE-9100 Reducer Nylobond at 10-15% by weight to promote adhesion to tightly woven synthetic fabrics.</p>	<p>2023, 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><b>Stencil</b> Standard Emulsion or Capillary Film Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	<p><b>Storage</b> 65 -95° F (18 -35° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.</p>	



AVIENT SPECIALTY INKS

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