











ATHP1070 PREMIUM POLY WHITE

ATHP1070 Premium Poly White provides excellent to superior bleed resistance and opacity on poly garments with great to excellent coverage and medium body and tack. Premium Poly white has great printability and is an excellent standard-cure direct print ink for controlling dye migration on 100% polyester fabrics, athletic uniforms or any other fabrics prone to dye migration. Premium Poly white has a medium to low gloss and serves as a terrific under base with a finish that matches Brite Cotton White and Diamond LB white.




Highlights

-  Medium Gloss
-  Superior bleed resistance
-  Excellent adhesion and stretch
-  300F Cure temperature
-  Commonly used for athletic uniform printing


Printing Tips

-  Pre-shear ink on a turn-about style machine or by hand before use.
-  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.
-  Polyester low-bleed plastisols will fully cure when the entire thickness of the ink deposit reaches 300°F (149°C). Be careful ink film temperatures do not exceed 330°F (166°C) as this temperature may facilitate 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

 Fabric Types Poly	 Flash & Cure Flash: Pre-heat pallets ~ 140°F Cure: 60 seconds at 300°F(148°C)	 Clean Up Standard plastisol cleaners, press wash, or ink degradant
 Mesh Count: 110-156 Tension: 18-35n/cm3	 Pigment Loading Not recommended	 Health & Safety Find safety information here: www.avient.com/resources/safety-data-sheets or contact your local CSR
 Squeegee Durometer: Medium: 70 or 60-90-60 Profile: Square Stroke: x2 stroke, medium speed Angle: 10-20%	 Additives K2910 Viscosity Buster K2940 Hugger Catalyst	<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>
 Stencil Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%	 Storage 65 -95° F (18 -35° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.	
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