







# ATHP1060 EF COSMIC POLY WHITE

# Union Ink








Cosmic Poly White ATHP1060 is a plastisol white designed to print on 100% poly garments that benefit from lower curing temperatures. Cosmic White has great bleed resistance that can be boosted by under basing it with Cosmic Poly Grey ATHP1550. Cosmic inks have great to excellent opacity, great coverage, satin hand, short to medium body, with low tack and fast flash. Fiber mat down and printability are both excellent. These distinctive low temperature cure inks have amazing stretch and recovery giving the prints a soft supple hand.

## Highlights

-  This ink prints wonderfully on a variety of fabrics making it a terrific multi-purpose white.
-  High opacity, fast flash with a matte finish and satin hand.
-  Lower curing temperature ink 285-300°F
-  Creamy and easy to print on most fabrics.
-  This white has an optical brightener to assure it remains bright under various light sources.
-  Matches other whites from "Stellar Series Whites".


## Printing Tips

-  Pre-shear ink on a turn-about style machine or by hand before use.
-  Use any direct emulsion or capillary film compatible with plastisol inks.
-  Print with lower pressure than standard Poly inks. Your image should clear on the second stroke for softest prints.
-  Under base with EF Cosmic Barrier Grey ATHP1550 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.
-  Thicker emulsion coating will result in a thicker ink deposit, a thicker ink deposit is capable of better dye resistance.












## 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.

## Recommended Parameters

 <b>Fabric Types</b> Polyester, Blends	 <b>Flash &amp; Cure</b> Flash: Pre-heated pallets Cure: 60 seconds at 285-290°F (140C-143°C)	 <b>Clean Up</b> Standard plastisol cleaners, press wash, or ink degradant
 <b>Mesh</b> Counts: 86 - 156 Tension: 18-35n/cm3	 <b>Pigment Loading</b> Not recommended	 <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
 <b>Squeegee</b> Medium: 70 or 60-90-60 Profile: Square Stroke: x2 stroke, medium speed Angle: 10-20%	 <b>Additives</b> Not recommended Nylobond at 10-15% by weight to promote adhesion to tightly woven synthetic fabrics.	<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>
 <b>Stencil</b> Standard Emulsion Off Contact: 1/16" (2mm) Emulsion Over Mesh: 15-20%	 <b>Storage</b> 65 -95 °F (18 -35 °C) Avoid direct sunlight	
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