Recommendations	
Product Overview	
Product Code	ATHP1070
Industry	Inks
Application	Screen Printing
Category	White Inks
Chemistry	Plastisol
Substrate(s)	Poly
Best Used By	12 months
Certification(s)	ISO9001
Curing:	
Fusion Temperature	300 °F
Fusion Time	4-6 seconds
Performance:	
Coverage	High Opacity
After Flash Tack	Decreases with increased mesh
Squeegee:	
Squeegee Profile	Square
Squeegee Type	Polyurethane
Squeegee Angle	10° - 20°
Storage:	
Storage Temperature	65°F - 95°F (18°C - 35°C)

Last Change: Jul 2017

EF PREMIUM POLY WHITE

EF Premium Poly White is a direct print low-bleed ink for controlling dye migration on 100% polyester fabrics, athletic uniforms or any other fabrics prone to dye migration.

Instructions
Stencils: Any direct emulsion or capillary film compatible with plastisol inks. Additives: Polyester low-bleed plastisols are supplied ready to print. Since plastisol inks "–body up" as they sit in the container you should always stir the ink well to determine the actual printing viscosity before adding any reducer. The viscosity of Polyester Poly plastisol has been carefully formulated to sit on top of the fabric when printed. Reducing will cause the ink to penetrate into the fabric affecting coverage. Any chemical modification will also diminish the inks bleed resistance. Care should be taken if modification is deemed necessary. Very small amounts 0.5-1% by weight of PLRE-9100 Concentrated Plastisol Reducer should be adequate. Never add mineral spirits to any plastisol ink.
Printing Instructions: 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. Also be sure to follow recommended emulsion coating techniques as well as exposure settings.
Curing Instructions: Plastisol inks will not air dry and must be heat cured. Polyester low-bleed plastisols will fully cure and withstand repeated washings 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.

Recommendation
Caution: Always test this product for curing, adhesion, crocking, opacity, bleed resistance, washability and other specifi c requirements before using in production. Because of the thick ink deposits required by athletic printers, Polyester Low-Bleed plastisols may require higher dryer temperatures or slower belt speeds for the ink deposit to reach the recommended curing temperature. For 100% polyester fabrics prone to extreme dye migration consider using Union's Barrier Clear PLHE-9040 or Barrier Grey PLHE-1500 as an under base especially when light or white overprint colors are required.

Statement
Union Ink does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSIA HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of our Non-Phthalate Inks. Union Ink does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.

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