PRODUCT SELECTION GUIDE

UNION INK™ WHITE SCREEN PRINTING INK PORTFOLIO

AVIENT

Take the guesswork out of selecting the right white ink for your next job. Union Ink offers a streamlined white ink portfolio specifically created to meet substrate and performance needs. Designed for the athletic printer, customers have come to expect durability, stretch, and opacity. Choose from cotton, polyester, and low bleed white inks by printing and press criteria using the product selection guide below.

COTTON

	Description	Opacity	Hand	Cure Temps	Bleed Resistance	Fiber Mat Down	Flash Time	Stretch
Lunar White PADE1040	• Easy-to-print ink offering satin hand • Low tack, creamy formula allows printing through finer mesh counts	Good	Good	320°F	N/A	Good	Better	Better
Brite White PADE1027	• High opacity, medium- to low-gloss ink • May be used as an underbase, stand alone or highlight white ink	Good	Better	320°F	N/A	Better	Best	Better

POLYESTER

	Description	Opacity	Hand	Cure Temps	Bleed Resistance	Fiber Mat Down	Flash Time	Stretch	Other Rec. Fabrics
Premium White ATHP1070	• Offers great printability, bleed resistance and opacity • Excellent for use as a direct print ink for controlling dye migration	Best	Best	320°F	Best	Better	Best	Best	100% polyester, polyester blends
LC POLY-WHITE UPLC1071	• High opacity low cure, low bleed ink • Offers great dye blocking ability on a range of fabrics • Produces very soft, matte to low gloss finish	Best	Best	270°F–320°F	Better	Best	Best	Best	Poly blends, 100% polyester
LC FROSTY POLY-WHITE UPLC1076	• Excellent bleed resistance at a wide temperature range • Cure prints as low as 250°F (121°C) on polypropylene and rayon • High-opacity on dark fabrics	Best	Better	250°F–320°F	Best	Better	Best	Best	Poly blends, 100% polyester, polypropylene, and rayon

DENOTES REDUCED ENERGY USE PRODUCT

NYLON

	Description	Opacity	Hand	Cure Temps	Bleed Resistance	Fiber Mat Down	Flash Time	Stretch	Other Rec. Fabrics
Athletic White PATE1000	• High gloss ink with superior stretch • Developed for nylon and tightly woven fabrics	Best	Best	300°F	N/A	Better	Better	Good	Nylon, Lycra/ spandex, Supplex nylon

LOW BLEED

	Description	Opacity	Hand	Cure Temps	Bleed Resistance	Fiber Mat Down	Flash Time	Stretch	Other Rec. Fabrics
Eclipse White PLHE1060	• Provides excellent printability, bleed resistance, and coverage	Best	Better	320°F	Best	Better	Best	Better	Cotton/poly blends
Mercury White PLHE1050	• Created for smoothness and opacity • Creamy consitency and matting characteristics	Good	Better	320°F	Better	Best	Best	Better	Cotton, cotton/ poly blends
Diamond White PLHE1070	• Known for excellent bleed resistance and coverage • Achieves smooth hand with creamy to medium body	Best	Better	320°F	Best	Good	Better	Better	Cotton/poly blends
Brite LB White PLHE1075	• Great bleed resistance and coverage • Provides a soft hand with excellent printability	Better	Best	320°F	Good	Better	Better	Better	Cotton/poly blends
LC LB POLAR WHITE UPLC1073	• Ideal for high production print environments • Great printability and soft, subtle finish	Better	Better	270°F–320°F	Better	Best	Best	Better	Polyblends, triblends, cotton/poly blends

GLOBAL COMPLIANCE

Union Ink™ is certified to **ZDHC Conformance Level 3 with ECO PASSPORT by OEKO-TEX**. To learn more about compliance standards, please contact your Avient Specialty Inks distributor.

For more information about Union Ink screen printing inks, please call **1.844.4AVIENT** or visit **www.unionink.com**

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