International Coatings™

Textile Screen Printing Inks

WHITE COMPARISON CHART

White inks of the highest quality are critical to screen printers. They are the day-to-day workhorse of the industry. But with so many types to choose from, how can you be sure that you pick the right one? This white ink comparison chart should make your choice easier. First pick the substrate you are using, choose whether you want a standard plastisol or a non-PVC plastisol ink, then see which white ink is right for you.

FOR COTTON

Click Product Name to link to online Product Bulletin	RECOMMENDED FABRICS	BLEED RESISTANCE	CURE TEMPERATURE	OPACITY	FLASH	MESH
Blaze Cotton White™ 7038	100% Cotton	100% Cotton only	FlexCure™ (290°F-325°F)*	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Creamy, short body, easy to print, glossy finish					
AXEON™ Non-PVC Printing/Cotton White 1244	100% Cotton	100% Cotton only	Standard Cure	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Non-PVC, high pigment, low tack, high performance, semi-glossy finish					

FOR COTTON AND 50/50 POLYESTER BLEND

	RECOMMENDED FABRICS	BLEED RESISTANCE	CURE TEMPERATURE	OPACITY	FLASH	MESH
Legacy White™ 7014	100% Cotton Cotton/Polyester Blends	★★★★	Standard Cure	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Contains no bleaching agents. When fusing at low temperatures (300°F), allow for longer time in dryer in order for entire ink film to reach cure temperature. Matte finish					
Cool White™ 7022	100% Cotton Cotton/Polyester Blends, Polyester, Non-woven Polypropylne	★★★★	FlexCure™	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Superior performance over a wide range of substrates, including hard-to-print synthetic substrates for promotional items, s.a. polypropylene bags, nylon bags, polyester, etc. Semi-matte finish					
Paramount White™ 7041	Cotton/Polyester Blends, 100% Polyester	★★★★★	FlexCure™	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Helps block dye migration problems on various problem polyester content fabrics. Matte finish					
AXEON™ Non-PVC Low Bleed White 1248	100% Cotton Cotton/Polyester Blends, Some Polyester	★★★★	Standard Cure	★★★★	★★★★	60-230 Monofilament
	Product Highlights: Non-PVC, low tack, high performance acrysol screen printing ink. Offers superior performance through fast production speeds. Semi-glossy finish					
AXEON™ Non-PVC Highlight White 1250	100% Cotton Cotton/Polyester Blends	★★★	Standard Cure	★★★★	★★★★	60-230 Monofilament
	Product Highlights: Non-PVC, low tack, high performance ink. Easy to print on automatic or manual presses. Formulated for last down, bright highlight white. Semi-glossy finish					

FlexCure™ Temperature Range: 275°F-325°F / (135°C-163°C)
Standard Cure Temperature: 325°F (163°C)

*FlexCure™ temperature for Blaze™ Cotton White starts at 290°F / 143°C

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WHITE COMPARISON CHART (CONT'D)

FOR POLYESTER

	RECOMMENDED FABRICS	BLEED RESISTANCE	CURE TEMPERATURE	OPACITY	FLASH	MESH
Poly White 741	Cotton/Polyester Blends 100% Polyester	★★★★★	FlexCure™	★★★★	★★★★	60-230 Monofilament
	Product Highlights: Ultra low-bleed, helps block dye migration problems on various problem polyester content fabrics. Glossy finish					
Cool White™ 7022	100% Cotton Cotton/Polyester Blends Polyester, Non-woven Polypropylene	★★★★	FlexCure™	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Superior performance over a wide range of substrates, including hard-to-print synthetic substrates for promotional items, s.a. polypropylene bags, nylon bags, polyester, etc. Semi-matte finish					
Paramount White™ 7041	Cotton/Polyester Blends 100% Polyester	★★★★★	FlexCure™	★★★★★	★★★★	60-230 Monofilament
	Product Highlights: Ultra low-bleed, helps block dye migration problems on various problem polyester-content fabrics. Matte finish					

FOR MIXING

	RECOMMENDED FABRICS	BLEED RESISTANCE	CURE TEMPERATURE	OPACITY	FLASH	MESH
UltraMix® Mixing White 7538	100% Cotton Cotton/Polyester Blends	N/A	FlexCure™	★★★★	★★★★	60-230 Monofilament
	Product Highlights: Mixing white with a very creamy, short body. Low tack product that is well suited for high definition and halftone prints on automatic printing equipment. Part of the UltraMix® 7500 Series Pantone® Color System					
AXEON™ Non-PVC UltraMix® Color System White 1238	100% Cotton Cotton/Polyester Blends	N/A	Standard Cure	★★★★	★★★★	60-230 Monofilament
	Product Highlights: Non-Phthalate, mixing white used to create Pantone® or custom colors using International Coatings' UltraMix® Pantone® color matching software					

FOR SPECIFIC PRINTING PURPOSE

	RECOMMENDED FABRICS	BLEED RESISTANCE	CURE TEMPERATURE	OPACITY	FLASH	MESH
All-Pro™ White 901	Nylon, Hard-to-print substrates, Polypropylene	N/A	FlexCure™	★★★★	★★★★	60-230 Monofilament
	Product Highlights: Use with 900 Catalyst to print on nylon fabrics and hard-to-adhere substrates such as Polyester. Also widely popular for printing heat transfers. Matte finish					
Cool White™ 7022	100% Cotton Cotton/Polyester Blends Polyester, Non-woven Polypropylene	★★★★	FlexCure™	★★★★★	★★★★★	60-230 Monofilament
	Product Highlights: Superior performance over a wide range of substrates, including hard-to-print synthetic substrates for promotional items, s.a. polypropylene bags, nylon bags, polyester, etc. Semi-matte finish					
Guardian Gray™ 7043	Cotton/Polyester Blends 100% Polyester, Performance Wear	★★★★★	FlexCure™	★★★★★	★★★★	60-230 Monofilament
	Product Highlights: Excellent bleed-resistant under-base ink. Excellent dye migration blocker on problem fabrics that contain polyester, including sublimated dyed fabrics. Glossy finish					