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 | | | | | |


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