



Bolt LC White

Bolt LC White is a non-phthalate, low-bleed, low cure white ink that delivers superior printability and a premium soft, bright finish over a range of garments. It is characterized by its fast flash and fast print strokes making it ideal for high production print shops. Bolt LC White has the opacity and brightness to perform admirably in vector stand-alone white graphics but also the ability to hold detail for fine mesh halftone graphics. Bolt LC White is designed for printing textiles but is versatile to use on non-woven polypropylene bags (NPB).

HIGHLIGHTS

- High opacity, superior coverage, brilliant white
- Low cure, save energy, reduce bleed defects
- Premium soft hand, drape and fiber-matte down
- Excellent for vector and fine mesh half-tone graphics
- Excellent bleed resistance on poly-blends
- Commendable printability on both manual and automatic presses

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- Use a printing technique to assure a good ink deposit to maximize bleed resistance and film strength properties
- Allows for fast print strokes and easy clearance on fine mesh. Use hard flood and low-medium squeegee pressure
- Bolt LC White is a low bleed and low cure ink. *When printing on 100% polyester, cure at 270°F (132°C) and pre-test for bleed resistance. For challenging fabrics, a bleed blocking underbase such as EPIC™ Armor LC Gray or Black is required
- For best results on non-woven polypropylene bags, single print using 110-156 t/in (43-62 t/cm) mesh with a 60 or 70 single durometer squeegee and cure at 270°F (132°C)
- Adjust flash cure temperature and dwell time so ink is just dry to touch. Depending on flash unit, a 2 - 3 second flash is adequate.
- Curing is a time and temperature process, a lower oven temperature setting with a slower belt speed while maintaining recommended ink cure temperature is always best to protect fabric, control dye migration and reduce energy consumption
- Bolt LC White can be cured between 270°F - 320°F (132°C - 160°C)
- Suitable for use as an underbase flash white or as a hi-lite white

COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit:
www.avient.com/wilflex-compliance

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



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V3.08 (Modified: 05/06/2025)

PRODUCT INFORMATION BULLETIN



RECOMMENDED PARAMETERS



Fabric Types

Polyblends, triblends, cotton/poly blends, 100% polyester*, non-woven polypropylene bags (NPB)



Mesh

Count: 86-305 t/in (34-120 t/cm)
Tension: 25-35 n/cm2



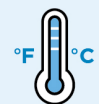
Squeegee

Durometer: 60/90/60, 70/90/70, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Fast stroke
Angle: 10-15°



Stencil

2 over 2
Off Contact: 1/16" (2mm)
Emulsion Over Mesh: 15-20%



Flash & Cure

Flash: 220°F (105°C)
Cure: 270°F - 320°F (132°C - 160°C)



Pigment Loading

N/A



Wilflex™ Additives

ASI Viscosity Buster-1% max



Storage

65-90°F (18-32°C)
Avoid direct sunlight
Use within one year of receipt



Clean Up

Ink degradant or press wash



Health & Safety

Find SDS information here:
www.avient.com/resources/safety-data-sheets
or contact your local CSR

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