



## 2200 EPIC™ BOLT LC WHITE

## PRODUCT INFORMATION BULLETIN



WILFLEX™ Epic Bolt LC White is a non-phthalate, low-bleed and low cure white ink that delivers superior printability and premium soft, subtle, bright smooth 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).

### RECOMMENDED PARAMETERS

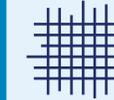
#### HIGHLIGHTS

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



#### Fabric Types

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



#### Mesh

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



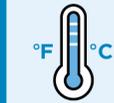
#### Squeegee

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 (132°C)  
Entire ink film



#### Pigment Loading

N/A



#### Wilflex™ Additives

Epic 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](http://www.avient.com/resources/safety-data-sheets)  
or contact your local CSR

#### 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](http://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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