wilflex™

K2200 EPIC™ POLYWHITE LC XTRA

PRODUCT INFORMATION BULLETIN

LOW CURE

WILFLEX™ Epic POLYWHITE LC XTRA is the best-in-class low bleed white with highest opacity rating in the Wilflex white's portfolio. Printers easily achieve a full ink deposit and excellent coverage when using Polywhite LC Xtra. Recommend to cure at low temperature (270°F/ 132°C) on standard polyester and blends. POLYWHITE LC XTRA performs well on Polypropylene and Rayon at 250°F/121°C .

HIGHLIGHTS

- High opacity, superior coverage, brilliant white
- Low cure, save energy, reduce bleed defects
- Superior stretch
- Recommended for automatic presses
- Excellent bleed resistance at a wide temperature range

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
- POLYWHITE LC XTRA is a full-bodied ink with moderate print stroke speeds. Use hard flood and medium-high squeegee pressures
- POLYWHITE LC XTRA is a low bleed ink. For challenging fabrics using sublimation dyes, a bleed blocking underbase such as EPIC Armor LC Gray or Black is required
- 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
- POLYWHITE LC XTRA can be cured between 270°F - 300°F (138°C - 149°C). Running at the higher end of the temperature range and/or longer dwell times maybe required to achieve proper cure on jobs that contain cotton, high ink deposits or heavy weight garments. It is recommended to cure POLYWHITE LC XTRA at 250°F (121°C) when printing on Rayon and Polypropylene.
- 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

SUSTAINABILITY

Reduced Energy Use

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

RECOMMENDED PARAMETERS

Fabric Types

100% polyester, triblends, polyester blends, cotton/poly blends, polypropylene, rayon

Mesh

Count: 86-180 t/in (34-71 t/cm)
Tension: 25-35 n/cm2

Squeegee

Durometer: 60/90/60, 70/90/70, 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: 180°F (82°C)
Cure: 250°F - 300°F(121°C - 149°C)
Entire ink film

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

AVIENT™ AVIENT SPECIALTY INKS

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