wilflex™

EPIC™ RIVAL SPORT™ LC DEFENDER

PRODUCT INFORMATION BULLETIN

LOW CURE JUHL

WILFLEX™ EPIC™ RIVAL SPORT™ LC DEFENDER is a new technology designed to prevent dye migration on 100% polyester, polyester blends and dye sublimation garments. Use in combination with the RIVAL SPORT™ LC Colors and RIVAL SPORT™ LC White on fabrics that are prone to bleed more.

HIGHLIGHTS

- Superior opacity
- Low cure, save energy, reduce bleed defects
- Lower cure range
- Excellent bleed resistance at a wide temperature range
- Improved printability, creamy viscosity

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- For superior bleed resistance, overprint RIVAL SPORT™ LC DEFENDER with RIVAL SPORT™ LC White and Colors
- RIVAL SPORT™ LC DEFENDER demonstrates improve printability making it ideal for manual and automatic printing
- Print RIVAL SPORT™ LC DEFENDER so that the flashed ink deposit fully covers the underlying fabric, avoid any fabric showing through the under base layer
- 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
- RIVAL SPORT™ LC DEFENDER can be cured between 250°F - 300°F (121°C - 148°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. Use a setting of 250 on non-stretch, sensitive fabrics, such as polypropylene, Rayon or Denier.

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, polyester blends, triblends, dye sublimated fabrics

Mesh
Count: 86-230 t/in (34-90t/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: 150° F (66° C)
Cure: 250°F - 300°F(121°C - 148°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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