



EPIC™ RIVAL SPORT™ LC DEFENDER

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

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



AVIENT
SPECIALTY
INKS

V1.29 (Modified: 05/15/2024)



Reduced
Energy Use

PRODUCT INFORMATION BULLETIN



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