



EPIC™ RIVAL SPORT COLORS

WILFLEX™ Epic RIVAL SPORT Colors are low bleed and low cure colors that deliver maximum coverage with the fewest strokes for color consistency when printing directly onto dark fabric or over an under base. With the new Rival Sport technology, superior on-press performance and exceptional print results on today's garments, printers win big with Wilflex Rival Sport low cure colors.

HIGHLIGHTS

- Matte finish with low surface tack
- Low cure, save energy, reduce bleed defects
- Opaque colors. Excellent color reproduction over base plate and direct to light and dark garments
- Superior bleed resistance, reducing the need to underbase on polyesters
- Improved printability

PRINTING TIPS

- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- Good color reproduction using 160-230 t/in (62-90 t/cm) on white and dark (blocker) base plates and direct to dark substrates. For lighter ink colors, use 110-160 t/in (43-62 t/cm) for best color reproduction when printing direct to dark substrates. Use a print-flash-print technique when printing direct to dark substrates.
- For best results on non-woven polypropylene bags, single print using 110-160 t/in (43-62 t/cm) mesh with a 60 or 70 single durometer squeegee
- EPIC Rival Sport Colors are low cure and low bleed inks. For challenging fabrics using sublimation dyes, a bleed blocking underbase such as EPIC RIVAL SPORT LC DEFENDER may be 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
- EPIC RIVAL SPORT Colors can be cured between 250°F - 300°F (121°C - 149°C). Running at the higher end of the temperature range and/or longer dwell times may be required to achieve proper cure on jobs that contain cotton or heavy weight garments. Use a setting of 250 on non-stretch, sensitive fabrics, such as polypropylene, Rayon or Denier.
- For cold-peel transfers, use a coated release paper or polyester film. Print colors using 70 duro squeegee and 110-230 t/in (43-91 t/cm) mesh followed by powdering. Gel at 212°F (100°C) for 60 sec. Apply transfer with heat press at 300°F (150°C) for 10-12 sec at medium pressure. For transfers on polyester, back with a low bleed white and/or blocker. Verify process.

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

PRODUCT INFORMATION BULLETIN



RECOMMENDED PARAMETERS



Fabric Types

100% polyester, polyester blends, 100% nylon Jersey, NWPB (non-woven polypropylene bags)



Mesh

Count: 86-230 t/in (34-90t/cm)
Tension: 25-35 n/cm2



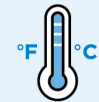
Squeegee

Durometer: 60/90/60, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Slow-Medium stroke
Angle: 10-15%



Stencil

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



Flash & Cure

Flash: 160°F (70°C)
Cure: 250°F - 300°F(121°C - 148°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



AVIENT
SPECIALTY
INKS

V1.28 (Modified: 07/15/2024)

2024, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.