Wilflex Rival Sport Cheat Sheet: Colors, LC Base and Defender

Low-bleed, low-cure inks for polyester sportswear: mesh, flash and cure for each Rival Sport product.

Rival Sport products

Product	Mesh	Flash	Cure	Use
Rival Sport Colors	86-230	160 F (70 C)	250-300 F (121-148 C)	Low bleed, low cure colors direct to dark fabric or over a base; matte, low surface tack
Rival Sport LC Base K2326	86-230	160 F (70 C)	250-300 F	Low-bleed mixing base for the Wilflex PC system; improved performance on polyester sports fabrics
Rival Sport LC Defender	86-230	150 F (66 C)	250-300 F (121-148 C)	Underbase against dye migration on 100% polyester, poly blends and dye-sublimation garments

Fabrics (Avient)

Colors and base	100% polyester, polyester blends, 100% nylon jersey, non-woven polypropylene bags
Defender	100% polyester, polyester blends and dye-sublimation garments

Printing tips (Rival Sport Colors data sheet)

Mesh	160-230 t/in on white and dark base plates and direct to dark; for lighter colors direct to dark use 110-160
Technique	Use print-flash-print direct to dark substrates; hard flood, slow-medium stroke
Cure	Higher end of 250-300 F or longer dwell may be needed on jobs with cotton or heavy garments; use 250 F on sensitive fabrics such as polypropylene, rayon or denier
Bleed	For challenging fabrics with sublimation dyes a bleed-blocking underbase such as Rival Sport LC Defender may be required
Non-woven bags	Single print, 110-160 mesh, 60 or 70 single-durometer squeegee

Press setup (Avient)

Tension	25-35 N/cm2
Squeegee	60/90/60 or 60-70 durometer, 10-15 degrees, 2 over 2; off contact 1/16 inch
Storage	65-90 F, use within one year

Sources: Avient/Wilflex Rival Sport Colors V1.32, Rival Sport LC Base K2326 V1.19, Epic Rival Sport LC Defender V1.29, Rival Sport Color Card (hosted on our safety data sheets page). Reference only: the maker's current data sheet governs. Mesh in threads per inch. All data sheets: bucketsofink.com/page/safety-data-sheets.