

» GHOSTING

WHAT IS IT?

Ghosting is a print defect in which a faint or discolored “ghost” image appears after curing—often showing up as a faded outline, mirror image, or leaving an uneven appearance around the design. While rare, it can be costly.



WHY IT HAPPENS

Ghosting can occur when:

- Inks are not fully cured
- Heat or post-processing reactivates a previous ink layer
- Substrate components migrate into the ink film
- Garments are exposed to excessive heat
- Ink formulation is instable
- Hot, humid conditions trap moisture in the garment
- Garments are stacked or collected while still hot (e.g., in catch baskets)
- Garments are packed before properly cooling

AVIENT SOLUTIONS

Avient offers advanced ink systems for polyester and polyblends that reduce ghosting while delivering strong bleed resistance:

- Wilflex™ Epic Sprint White
- Wilflex™ Shock LC White
- Wilflex™ Rio MIX Colors
- Wilflex™ Rio RFU Colors

HOW IT WORKS

These inks use stable resin systems, optimized plasticizers, and controlled pigment dispersion to lock in color and prevent movement during curing or reheating. Low cure, fast gel chemistries minimize heat reactivation, while balanced formulations reduce migration, re-wetting, and instability.



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