

PERFORMANCE LC WHITE

PERFORMANCE LC WHITE combines best-in-class bleed resistance with ultra-stretch performance for a premium soft and pliable hand feel. It is designed to print onto a variety of specialty fabrics, including compression wear, stretch garments containing spandex, lycra or elastane, polyester, blends and triblends.

HIGHLIGHTS

- W High opacity, excellent coverage, brilliant white W Adhesion to difficult substrates

Superior stretch

- Low cure, save energy, reduce bleed defects
- Excellent bleed resistance at a wide temperature range
- Suitable for manual and automatic printing

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- Use a printing technique to assure a good ink deposit to maximize bleed resistance and film strength properties
- Performance LC White is a full-bodied ink with moderate print stroke speeds. Use hard flood and medium squeegee pressures
- Performance LC White is a low bleed ink. For challenging fabrics using sublimation dyes, a bleed blocking underbase such as RIVAL SPORT LC DEFENDER if needed
- 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
- Performance LC White can be cured between 270°F 320°F (132°C 160°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.
- Suitable for use as an underbase flash white or as a hi-lite white

SUSTAINABILITY

Non-phthalate

For individual compliance certifications and conformity statements, www.avient.com/wilflex-compliance

Reduced **Energy Use**

PRECAUTIONS

COMPLIANCE

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

V3.06 (Modified: 05/06/2025)

PRODUCT INFORMATION BULLETIN



RECOMMENDED PARAMETERS



Fabric Types

100% polyester, triblends, polyester blends, cotton/poly blends, Lycra / Spandex blends, 100% nylon Jersey/ *Not suitable for all nylon substrates. Pretest prior to production.



Count: 86-230 t/in (34-90 t/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: 220°F (105°C)

Cure: 270°F (132°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

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, volu 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