



XOLB SERIES INKS

XOLB, stands for "Xtreme Opaque, Low Bleed". These inks are designed for use with Cotton and Cotton Polyester blends.

Highlights

- XOLB, "Xtreme Opaque, Low Bleed" Inks are high opacity multi-purpose inks designed to produce extremely opaque prints, on auto or manual.
- XOLB prints smooth on white bases and can be opaque on black without a white base with screens as fine as 160 t/in(62 t/cm) mesh
- XOLB inks are fast flashing, cure with a non-tack surface, and contain clean bright pigments.
- The fast flash speed allows for shorter dwell times and faster production output
- When printing on any polyester blended garments, always test prior to production for any potential bleed/dye sublimation problems.

Printing Tips

- XOLB inks print well through screen meshes in the range of 83-305 t/in (32-120 t/cm). Screens stretched to a minimum of 25 newtons are recommended.
- Use any direct emulsion or capillary film.
- Parameters vary between all flash units. Flash for 2-3 seconds with the ink deposit reaching 150-250°F (65-121°C). Ink should be dry and without tack. Warning: Over flashing can cure the ink and prevent adhesion between coats of ink.
- Cure at 325°F (162°C) over a 60-90 second period, depending on oven type and thickness of ink deposit. A thicker deposit will take longer to cure as the heat must penetrate through the entire ink layer.
- If using lower tension screens, adjust off contact accordingly. Use just enough squeegee pressure to deposit the ink on the surface of the shirt. This will enhance the opacity and also ensure a better cure.
- Try not to drive the ink into the fabric. A 70 durometer sharp squeegee is recommended.
- If you are unsure of the quality or stability of the garment you are decorating, lay down a low bleed white base using our XOLB-142, XOLB-158 or XOLB-159.











Compliance

- Internationally compliant
- Non-phthalate
- <https://www.avientspecialtyinks.com/services/compliance-support>

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.

Recommended Parameters

 <p>Fabric Types Cotton, Cotton Polyester Blends</p>	 <p>Flash & Cure Flash: 140-150°F on pre-heated pallets Cure: 325°F (162°C)</p>	 <p>Clean Up Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant</p>
 <p>Mesh Count: 83-305 t/in Tension: 25n/cm3</p>	 <p>Pigment Loading N/A</p>	 <p>Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p>
 <p>Squeegee Durometer: 70, 80 Profile: Square Stroke: 1 Angle: 10-15%</p>	 <p>Additives K2915 CURABLE REDUCER K2940 HUGGER CATALYST</p>	<p>2023, 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.</p>
 <p>Stencil Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	 <p>Storage 65 -95° F (18 -35° C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.</p>	