

EL0209 ENDURANCE PLUS MIXING BASE



Endurance Plus Mixing base is a low cure performance base for mixing colors using the C3 Color boosters. Endurance plastisol inks have great bleed resistance and a wide cure temperature range for printing on 100% Polyester Performance fabrics.

Highlights

- For fabrics with severe migration, use Endurance Plus Barrier Grey as an underlay.
- Endurance Plus Mixing Base can be used with Rutland's C3 Color Boosters to create desired low temperature colors.
- Formulations are available in the IMS 3.0 Color Software.
- Low temperature cure from 280°F (138°C) to 300° F (149°C).
- Smooth athletic surface on cured print.
- Superior bleed resistance for printing on 100% polyester performance fabrics.

Printing Tips

- Print EL9755 Endurance Plus white over EL0755 Endurance Plus Barrier Grey or directly onto 100% Polyester substrates where applicable.
- Endurance Plus inks print well through mesh ranges from 86-156 mc in. (34-62 mc CM.) Recommend 70-80 Durometer squeegee with sharp edge for maximum print definition.
- NOTE: Poorly dyed polyester or too much heat in the curing process can overcome any low bleed inks ability to block dye migration.
- For severe migration use EL0755 Endurance Plus Barrier Grey as an underlay. Printers should always test the ink on their fabric under their process conditions before printing production runs.
- Endurance Plus White and Endurance Plus Barrier Grey have a cure temperature range from 280°F (138°C) to 300° F (149°C) while still blocking dye migration on most 100% Polyester fabrics.
- The combination of both Endurance under base grey and Endurance top colors create the best dye migration resistance.











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 Polyester</p>	 <p>Flash & Cure Flash: 140-150°F on pre-heated pallets Cure: 280°F</p>	 <p>Clean Up Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant</p>
 <p>Mesh Counts: 86-156 Tension: 25n/cm3</p>	 <p>Pigment Loading C3 Color boosters</p>	 <p>Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p>
 <p>Squeegee 70/90/70, 70,80 Profile: Square Stroke: 1+ Angle: 15-20%</p>	 <p>Additives N/A</p>	<p>2021, 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</p>	