

# ER0301 NPT REFLECTIVE GREY MAX



Rutland™

ER NPT Reflective series has the highest reflectivity among all Rutland reflective plastisols and is designed for printing through 86-110 mc in (34-43 mc cm) mesh count onto white, light and dark 100% cotton fabrics.

## Highlights

- Excellent reflectivity for safety applications.
- Reflective properties are comparable to currently marketed direct print products.
- Press ready reflective plastisol for printing on white and dark fabrics.
- User friendly, single component plastisol.
- Excellent adhesion characteristics and wash fastness.
- Unwashed candle power is approximately 11 Candelas/Lux/ square meter. Washed candle power is approximately 23 Candelas/Lux/ Square meter.

## Compliance

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


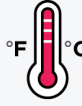








## Precautions

- 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.

## Printing Tips

- Direct Print ER NPT Reflective Ink onto light or dark substrates through 86--110 mc in (34-43 mc cm) mesh using medium to hard squeegee, and HARD PRINT PRESSURE.
- This will insure maximum base penetration into garment fiber, leaving the reflective media on the surface giving maximum candelas/ Lux / Square meter.
- Do not print over an underlay nor print flash print this product.
- Note: the candle power may vary dependent upon the amount of pressure applied when printing.
- Print technique:
  - Load ink into mesh opening with hard, sharp squeegee.
  - Only the image area should be filled with ink.
  - Transfer ink to the fabric surface with a heavy squeegee pass.
- If you are unsure of best practices when using this product, do not hesitate to call out tech services line at 866-737-2066

## Recommended Parameters

 <p><b>Fabric Types</b> Cotton, Blends</p>	 <p><b>Flash &amp; Cure</b> Flash: 140-150F on pre-heated pallets Cure: 320F</p>	 <p><b>Clean Up</b> Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant</p>
 <p><b>Mesh</b> Counts: 86-110 Tension: 18n-25n/cm3</p>	 <p><b>Pigment Loading</b> N/A</p>	 <p><b>Health &amp; Safety</b> Find SDS information here: <a href="http://www.avient.com/resources/safety-data-sheets">www.avient.com/resources/safety-data-sheets</a> or contact your local CSR</p>
 <p><b>Squeegee</b> 70, 60/90/60, 65/95/65 Profile: Square Stroke: 2+ Angle: 10-20%</p>	 <p><b>Additives</b> Extender: M00001 Viscosity Reducer</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><b>Stencil</b> Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	 <p><b>Storage</b> 65 -95 F (18 -35 C) Avoid direct sunlight</p>	