

# ES0785 NPT METALLIC GEL SILVER


**Rutland™**

ES0785 NPT Silver Gel and other NPT Metallic products are formulated as a press-ready plastisol for printing on 100% Cotton or poly/cotton.

## Highlights

- Short body and very low tack for easy printing.
- Non-phthalate formulation to comply with new regulations restricting phthalates.
- No viscosity modifications necessary.
- Can be tinted with up to 20% color booster to make subdued metallic colors.
- Extreme high luster.

## 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

- Print directly onto substrates.
- NPT Metallic inks requires stirring before printing.
- NPT Metallic inks are normally printed through 86 t/in ( 34 t/cm). Recommend a medium Durometer squeegee for maximum coverage.
- NPT Metallics may tarnish and dull starting with the first wash.
- Your testing should include a wash test prior to running production runs with NPT Metallic Inks to make sure the results meet your specifications.
- Tarnishing can be significantly reduced and controlled by printing a clear ink over the metallic print.
- You will want to print on top of the garment and not "into" the garment. Having a thicker stencil will help you achieve this.
- High pressure is not advised when printing Metallic inks.
- Metallic inks "reflect" away heat in the dryer. You may want to extend your dwell time to ensure full cure in electric dryers.
- Be sure to store all metallic inks with the lid tightly sealed to prevent tarnish.

## Recommended Parameters

 <b>Fabric Types</b> Cotton, Blends	 <b>Flash &amp; Cure</b> Flash: 140-150°F on pre-heated pallets Cure: 320°F	 <b>Clean Up</b> Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant
 <b>Mesh</b> Counts: 86 Tension: 25n/cm3	 <b>Pigment Loading</b> C3 Color boosters	 <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
 <b>Squeegee</b> 80, 70 Profile: Square Stroke: 1+ Angle: 15-20%	 <b>Additives</b> N/A	<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>
 <b>Stencil</b> Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%	 <b>Storage</b> 65 -95° F (18 -35° C) Avoid direct sunlight	
 <b>AVIENT™</b>	<b>AVIENT SPECIALTY INKS</b>	<b>V3.03 (Modified: 03/09/2021)</b>