

# ES0026 NPT THERM-O-LINE CLEAR



Rutland's Therm- O-Line Clear is a non-phthalate plastisol used for adhesive type applications and as a clear base for Metallic powders and flakes.

## Highlights

- Can be used as vehicle for for metallic powders and flakes.
- Can also be used as a transfer glue for for special effects that call for a screen printed glue layer.

## Printing Tips

- C3 Color Boosters may be added to the NPT Therm-O-Line Clear for custom colors at a maximum of 30% by weight.
- The thicker the ink film deposit, the less pigment needed to maintain color intensity.
- As a Flock Adhesive: ES0026 is also used as an adhesive for applying flock to textile fabric.
- We suggest adding up to 5% NPT Fiberbond for maximum adhesion to flock fibers and print through 200- micron stencil for this application.
- Note: The mixture with FiberBond will have maximum 8 hours shelf life.
- Creating a thick stencil: Creating a thick stencil (200 micron) will offer maximum ink deposit. The thickness of the stencil will determine the thickness of the ink deposit.
- Thicker stencils will require an increase in exposure time. Contact emulsion supplier for more detail information.
- Bases, modifiers and additives should be mixed in clean vessels using clean mixer blades and utensils. Any contamination from other ink sources or non approved additives could make Rutland™ test positive for the restricted phthalates.

## 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><b>Fabric Types</b> Cotton</p>	 <p><b>Flash &amp; Cure</b> Flash: 140-150°F on pre-heated pallets Cure: 320°F</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: 86-230 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, 70/90/70, 60/90/60 Profile: Square Stroke: 1+ Angle: 10-20%</p>	 <p><b>Additives</b> Fiberbond EA0001 7.5-15% by weight</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>	