














# ES0266 NPT BARRIER BASE

ES0266 NPT Barrier Base is a high opaque, low bleed under base that has been formulated for maximum opacity and excellent bleed resistance on 100% Polyester. Barrier Base is an established favorite among printers as a premium bleed blocker. This is an under base product and does not accept pigment.




## Highlights

-  Testing of this product has been very successful on various fabrics to include 100% Polyester Jerseys, 100% Polyester Performance fabrics
-  ES0266 NPT Barrier Base prints with a satin finish and is grey in color similar to Pantone 430 C
-  High performance under base for 100% Polyester
-  Creamy, short body plastisol for easy printing
-  User friendly, no viscosity modifications necessary
-  Superior low bleed properties


## Printing Tips

-  Print NPT Barrier Base straight from the container. NPT Barrier Base is user friendly and may be printed through 86-110 t/in (34 - 43 t/cm) mesh range without modifying the viscosity.
-  Print Rutland's standard White inks on top to have a brilliant White print!
-  Use softer squeegee or thicker emulsion on both the the Barrier base and White screen to insure complete coverage and maximum low bleed properties. A thicker layer of NPT Barrier Base is suggested for severe bleeding fabrics.
-  NOTE: Due to variations in dyed polyesters, any application whether referenced or not in this technical data should be pre-tested for suitability on the actual production fabric and/or consultation sought with Rutland's Applications Laboratory prior to printing.
-  Useful for rotary screen printed goods, sublimated prints, and works to block fabric color migration when printing a clear top coat over a white.











## Compliance

-  Non-phthalate
-  Internationally compliant
-  Visit <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> Polyester</p>	 <p><b>Flash &amp; Cure</b> Flash: 140-150°F (60-65°C) on pre-heated pallets Cure: 320°F (160°C)</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> Count: 86 to 110 t/in (34 to 43 t/cm) Tension: 18n-25n/cm<sup>3</sup></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> Durometer: 70, 80, 60/90/60 Profile: Square Stroke: 1+ Angle: 10-15%</p>	 <p><b>Additives</b></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><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. Use within one year of receipt. Keep container well sealed.</p>	



AVIENT SPECIALTY INKS

V5.00 (Modified: 12/08/2023)