













## PLHE1500 LB BARRIER GREY

PLHE1500 Barrier Grey is a specially formulated Low-bleed clear to be used as a direct-print underbase on polyester fabrics prone to extreme dye migration.




## Highlights

-  Provides excellent adhesion to fabrics
-  Direct print, low bleed underbase for polyester-blended or 100% Polyester garments or as a last-down clear on transfers
-  In laboratory and field testing Barrier Grey has shown to greatly increase the chances of success when printing troublesome polyester fabrics
-  Fast Flashing


## Printing Tips

-  Use any direct emulsion or capillary film compatible with plastisol inks.
-  Barrier Grey flashes quickly, be sure to turn down flash intensity/power where applicable.
-  In laboratory and field testing Barrier Grey has shown to greatly increase the chances of success when printing troublesome polyester fabrics rough mesh counts of 74-86 (29-34 metric), flash cured at 240°F/115°C and overprinted with another low bleed ink.
-  Screens should be tensioned to mesh manufacturer's tensioning recommendations and emulsion applied to screen building up the print side to increase ink deposit and edge sharpness of print.
-  Off-contact should be set so that screen immediately peels from substrate as squeegee passes through the print stroke.
-  Flash curing and Curing- Barrier Grey will gel when surface of ink film reaches 240°F/115°C. Entire ink film must reach 300°F/150°C to achieve full cure. Thicker ink deposits will require higher temperatures and longer time in oven.












## 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

 <b>Fabric Types</b> 100% Polyester and blends	 <b>Flash &amp; Cure</b> Flash: Pre-heat pallets Cure: 300°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> Count: 74-86 Tension: 25n/cm3	 <b>Pigment Loading</b> N/A	 <b>Health &amp; Safety</b> Find safety 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> Durometer: 70 Profile: Square Stroke: 1-2 Angle: 10-15%	 <b>Additives</b> Not recommended	<p>2024, 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. Use within one year of receipt. Keep container well sealed.	
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