



**PADE1040 LUNAR COTTON  
WHITE**

Lunar Cotton White PADE1040 an easy printing, high opacity, satin hand white with an excellent coverage and mat down on dark garments. The low tack, creamy formula allows printing through finer mesh counts without the need for a viscosity modifier. This optically brightened ink achieves a contemporary finish that is both matte and vibrant. Print Lunar Cotton White through a wide range of mesh depending on the desired finish expected. Printing through finer mesh counts will yield the softest hand while still maintaining opacity.

**Highlights**

-  Matte finish with satin hand.
-  This white has an optical brightener to assure it remains bright under various light sources.
-  Fast flashing with low tack.
-  Subdued, Vintage and bright, opaque prints are achievable with Lunar White.
-  Lunar Cotton white's finish and brighteners match the rest of the white inks in Union's "Stellar Series".
-  Lunar can be printed as an under base, top white, or stand alone white.

**Printing Tips**

-  Pre-shear ink on a turn-about style machine or by hand before use.
-  For best results, use a print / flash/ print technique to ensure sufficient ink deposit on dark fabrics.
-  For the best coverage, bleed resistance and brightest prints, adjust the off-contact distance and squeegee pressure to print the ink layer on top of the printed fabric rather than pushing the ink entirely through it.
-  A pallet with a soft rubber top as opposed to a hard surface pallet and minimal squeegee pressure will minimize penetration into the garment and enhance the final print.

**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> Cotton</p>	 <p><b>Flash &amp; Cure</b> Flash: Pre-heat pallets ~ 140°F Cure: 60 seconds at 320°F(148°C)</p>	 <p><b>Clean Up</b> Standard plastisol cleaners, press wash, or ink degradant</p>
 <p><b>Mesh</b> Count: 86-230 Tension: 18-35n/cm3</p>	 <p><b>Pigment Loading</b> Not recommended</p>	 <p><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</p>
 <p><b>Squeegee</b> Durometer: Medium: 70 or 60-90-60 Profile: Square Stroke: x2 stroke, medium speed Angle: 10-20%</p>	 <p><b>Additives</b> PLRE-9100I Reducer Nylobond at 10-15% by weight to promote adhesion to tightly woven synthetic fabrics.</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>	