



# PERFORMANCE GUIDE

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## LTCFR3311-50 2.0 mil White Semi-Gloss Polyester

Revised: 04/2019 KSH

Description	Applications and End Uses																	
<p><b>Product</b> 2.0 mil top-coated white semi-gloss polyester with a durable and aggressive permanent acrylic adhesive and a 60# blue glassine liner.</p> <p><i>Lintec item: FR3311-50</i></p>	<p>Designed for use in general purpose labels such as nameplate, durable equipment, warning and instructional labeling etc. Excellent flexo and thermal transfer printability with most resin ribbons.</p>																	
<p><b>Face</b> 2.0 mil white semi-gloss polyester, topcoated for superior printability via flexo, thermal transfer. Features high strength, tear resistance, dimensional stability and temperature resistance. Print test product and consult with your ink supplier to confirm suitability for your application.</p>	<p><b>Physical Properties without Adhesive</b></p> <table border="0"> <tr> <td>Caliper, inches</td> <td>0.002 (2.0 mils)</td> <td>ASTM D-2103</td> </tr> </table>			Caliper, inches	0.002 (2.0 mils)	ASTM D-2103												
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<p><b>Adhesive</b> Adhesive for LTCFR3311-50 is high performance, permanent acrylic with excellent ultimate adhesion and mandrel hold. It is extremely chemical and solvent resistant and has very good adhesion to various high and low energy substrates.</p>	<p><b>Physical Properties of Adhesive</b></p> <table border="0"> <tr> <td>Thickness, inches</td> <td>0.0007 +/- 10%</td> <td></td> </tr> <tr> <td>180° Peel Adhesion, lbs./in.</td> <td>Stainless Steel: 4.3</td> <td>CTM-8 (30 min. applied) Reference: PSTC-101A</td> </tr> <tr> <td colspan="3"><i>Temperature Ranges</i></td> </tr> <tr> <td>Minimum Application</td> <td>+39°F (4°C)</td> <td>CTM #45 Curwood</td> </tr> <tr> <td>Service Ranges</td> <td>-40°F to +302°F (-40°C to +150°C)</td> <td>Polyester Film Dry Surface</td> </tr> </table>			Thickness, inches	0.0007 +/- 10%		180° Peel Adhesion, lbs./in.	Stainless Steel: 4.3	CTM-8 (30 min. applied) Reference: PSTC-101A	<i>Temperature Ranges</i>			Minimum Application	+39°F (4°C)	CTM #45 Curwood	Service Ranges	-40°F to +302°F (-40°C to +150°C)	Polyester Film Dry Surface
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<p><b>Liner</b> A 60# blue glassine liner, one side is polyethylene laminated. Excellent for die cutting and stripping. The liner is coated with a release system designed for label dispensing. Primarily for roll-to-roll applications where a more demanding liner is needed.</p> <table border="0"> <tr> <td>Caliper, inches</td> <td>0.0035 +/- 10%</td> <td>TAPPI T-411</td> </tr> <tr> <td>Basis Weight, lbs. (24" x 36"/500 sheets)</td> <td>60 +/- 10%</td> <td>TAPPI T-410</td> </tr> </table>	Caliper, inches	0.0035 +/- 10%	TAPPI T-411	Basis Weight, lbs. (24" x 36"/500 sheets)	60 +/- 10%	TAPPI T-410												
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<p><b>Shelf Life</b> Product retains its performance and properties for two years from date of manufacture when stored at 72° F and 50% relative humidity.</p>																		

This product complies with CONEG regulations.  
All MACTac Roll Label products meet the requirements of the Clean Air Act of 1990.

**\* NOTE: Thermal transfer printing quality and bar code scannability are dependent upon the interworking of several elements; the ribbon, the printhead and the facstock. Please test all applications. Consult MACTac's Technical Marketing Department for guidelines regarding printer and ribbon compatibility.**

CALL 1-800-548-3456 for additional product information

**IMPORTANT NOTICE:** The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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<sup>®</sup> Registered Trademark of Morgan Adhesives Company.

Tide<sup>®</sup> Registered Trademark of the Procter & Gamble Company

409<sup>®</sup> Registered Trademark of the Clorox Company

