



# PERFORMANCE GUIDE

Represents Typical Values Only

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**AP9512LF**

Revised: 08/2019 CCF

**Majestic Matte Litho for Prime Lay Flat**

	Description	Applications and End Uses																														
<b>Product</b>	AP9512LF is a bright white, matte-coated litho construction with a permanent acrylic adhesive and layflat liner suitable for sheeting and die cutting.	Complies with pH, Toy Safety and photo neutrality and lay flat requirements for scrapbook, photo album stickers and similar applications.																														
<b>Face</b>	<p>A 60# bright white, high strength, matte-coated white litho paper stock designated for quality printing and high speed converting.</p> <p><b>Physical Properties Without Adhesive</b></p> <table><tr><td>Caliper, inches</td><td>0.0036 +/- 10%</td><td>TAPPI T-411</td></tr><tr><td>Brightness % Reflectance at 75° angle</td><td>88</td><td>TAPPI T-452</td></tr><tr><td>Gloss % Reflectance at 75° angle</td><td>12</td><td>TAPPI T-480</td></tr><tr><td>Opacity</td><td>91</td><td>TAPPI T-425</td></tr><tr><td>Tear, grams</td><td>54 MD 54 CD</td><td>TAPPI T-414</td></tr><tr><td>Tensile, lbs./in.</td><td>32 MD 15 CD</td><td>TAPPI T-494</td></tr><tr><td>pH of face stock</td><td>+7</td><td>TAPPI T-509</td></tr><tr><td>Lignin</td><td>Less than 1%</td><td>ANSI /MISO Z39.48-1992</td></tr><tr><td>Basis Weight, lbs. (25" x 38"/500 sheets)</td><td>58 +/- 10%</td><td>TAPPI T-410</td></tr><tr><td>Toy Safety</td><td>Complies ASTM F963-96a &amp; Hasbro SRS-012 Rev F</td><td></td></tr></table>	Caliper, inches	0.0036 +/- 10%	TAPPI T-411	Brightness % Reflectance at 75° angle	88	TAPPI T-452	Gloss % Reflectance at 75° angle	12	TAPPI T-480	Opacity	91	TAPPI T-425	Tear, grams	54 MD 54 CD	TAPPI T-414	Tensile, lbs./in.	32 MD 15 CD	TAPPI T-494	pH of face stock	+7	TAPPI T-509	Lignin	Less than 1%	ANSI /MISO Z39.48-1992	Basis Weight, lbs. (25" x 38"/500 sheets)	58 +/- 10%	TAPPI T-410	Toy Safety	Complies ASTM F963-96a & Hasbro SRS-012 Rev F		
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<b>Adhesive</b>	<p>ST95 is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass and various plastic substrates. Considered to be latex glove friendly for use in some healthcare applications.</p> <p><b>Physical Properties of Adhesive</b></p> <table><tr><td>Thickness, inches</td><td>0.0007 +/- 10%</td><td></td></tr><tr><td>Peel Adhesion, lbs./in.</td><td>2.6</td><td>PSTC-1010F (30 min. applied)</td></tr><tr><td>pH of adhesive</td><td>+7*</td><td>Measured in liquid form</td></tr><tr><td>Photographic Activity Test</td><td>Passes</td><td>ISO 14523</td></tr><tr><td>Toy Safety</td><td>Complies ASTM F963-96a &amp; Hasbro SRS-012 Rev F</td><td></td></tr><tr><td>LHAMA</td><td>16 CFR 1500.14(b)(8)</td><td>ASTM D4236</td></tr><tr><td>TRA</td><td>16 CFR 1500.3(b)(5) and (8)</td><td></td></tr><tr><td>Temperature Ranges</td><td></td><td></td></tr><tr><td>Minimum Application</td><td>+25°F (-4°C)</td><td>CTM #45 Curwood</td></tr><tr><td>Service Ranges</td><td>-75°F to +200°F (-59°C to +93°C)</td><td>Polyester Film Dry Surface</td></tr></table>	Thickness, inches	0.0007 +/- 10%		Peel Adhesion, lbs./in.	2.6	PSTC-1010F (30 min. applied)	pH of adhesive	+7*	Measured in liquid form	Photographic Activity Test	Passes	ISO 14523	Toy Safety	Complies ASTM F963-96a & Hasbro SRS-012 Rev F		LHAMA	16 CFR 1500.14(b)(8)	ASTM D4236	TRA	16 CFR 1500.3(b)(5) and (8)		Temperature Ranges			Minimum Application	+25°F (-4°C)	CTM #45 Curwood	Service Ranges	-75°F to +200°F (-59°C to +93°C)	Polyester Film Dry Surface	
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<b>Liner</b>	<p>A clay coated kraft lay flat liner for use in roll-to-sheet applications.</p> <table><tr><td>Caliper, inches</td><td>0.0032 +/- 10%</td><td>TAPPI T-411</td></tr><tr><td>Basis Weight, lbs. (24" x 36"/500 sheets)</td><td>44 +/- 10%</td><td>TAPPI T-410</td></tr></table>	Caliper, inches	0.0032 +/- 10%	TAPPI T-411	Basis Weight, lbs. (24" x 36"/500 sheets)	44 +/- 10%	TAPPI T-410																									
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<b>Shelf Life</b>	One year when stored at 72° F and 50% R.H.																															

**Lay Flat Guarantee:** Guaranteed to exhibit layflat properties of no greater than +/- 1/8" when evaluating an 8-1/2" x 11" sheet on a flat surface, face up orientation in a climate controlled (72°F / 50% RH) environment. It is recommended that this material be produced using 6" O. D. core to prevent core related roll set curl. Any products supplied on or rewound on other than 6" cores do not carry the layflat guarantee. Allow the material to acclimate to the environment for 72 hours before printing and converting. TRA - Toxicological Risk Assessment This product complies with CONEG regulations. All Mactac Roll Label products meet the requirements of the Clean Air Act of 1990. LHAMA Labeling of Hazardous Art Materials Act

**Note:** The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances, please contact your Mactac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the Mactac website for the latest, most-up-to-date version. Mactac knows of no standard that exists today for the determination of pH on a dried/coated pressure sensitive adhesive.

**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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