



# PERFORMANCE GUIDE

Represents Typical Values Only

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## AI9502 8 pt. C1S Tag

Revised: 06/2019 RDF

Description	Applications and End Uses		
<b>Product</b>	AI9502 is a high strength white C1S matte tag stock with a general-purpose permanent adhesive and a 2.4 semi-bleached super calendared kraft liner. Face and adhesive comply with Toy Safety (ASTM F963-96a).		Labeling applications requiring a stiff facestock with high internal strength.
<b>Face</b>	A white coated one side matte tag stock. Excellent for applications requiring a stiffer or more durable facestock. Meets the ANSI/NISO Z39.48 for permanence and contains an alkaline reserve of at least 2%.		
	<b>Physical Properties Without Adhesive</b>		
	Caliper, inches	0.0080 +/- 10%	TAPPI T-411
	Brightness % Reflectance at 75° angle	91	TAPPI T-452
	Gloss % Reflectance at 75° angle	50	TAPPI T-480
	Tear, grams	90 MD 165 CD	TAPPI T-414
	Tensile, lbs./in.	62 MD 28 CD	TAPPI T-494
	pH of face stock	+7	TAPPI T-509
	Lignin	Less than 1%	ANSI /NISO Z39.48-1992
	Basis Weight, lbs. per 24x36 ream	108 +/- 10%	TAPPI T-410
<b>Adhesive</b>	ST95 is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugate, paper, glass and various plastic substrates.		
	<b>Physical Properties of Adhesive</b>		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	2.6	PSTC-101F (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
<b>Liner</b>	A semi-bleached super calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.		
	Caliper, inches	0.0024 +/- 10%	TAPPI T-411
	Basis Weight, lbs. (24" x 36"/500 sheets)	40 +/- 10%	TAPPI T-410
<b>Shelf Life</b>	One year when stored at 72° F and 50% R.H.		

LHAMA Labeling of Hazardous Art Materials Act 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.

**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 at [www.mactac.com](http://www.mactac.com)

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



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