



# PERFORMANCE GUIDE

## Represents Typical Values Only

www.MACTac.com

### TN9511

Revised: 10/2015 KSM

## Durascan® N Thermal Transfer Film

Description	Applications and End Uses			
<b>Product</b>	TN9501 is a bright white BOPP film with a permanent acrylic based adhesive with a 3.2semi-bleached calendar kraft liner.	Thermal transfer labels requiring durability and good mandrel hold. Recommended for short outdoor durability labeling, shelf marking, parts and inventory labels and anywhere a strong, durable label is needed.		
<b>Face</b>	A bright white BOPP film designed for thermal transfer as well as flexo printing.			
	<b>Physical Properties Without Adhesive</b>			
	Caliper, inches	0.0030+/- 10%	TAPPI T-411	
	Brightness	92% Min	TAPPI T-525	
	Opacity	80% Min	TAPPI T-425	
	Tensile, kg Min	9 MD 16 CD	TAPPI T-494	
	Tear, kg Min	24 MD 33 CD	TAPPI T-414	
	Basis Weight, lbs. (24" x 36"/500)	42.5 +/- 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 corrugated, glass, and various plastic substrates. Considered to be latex glove friendly for use in some healthcare applications.			
	<b>Physical Properties of Adhesive</b>			
	Thickness, inches	0.0007 +/- 10%		
	Peel Adhesion, lbs./in.	1.9 or paper tear	PSTC-2 (30 min. applied)	
	Temperature Ranges			
	Minimum Application	+25°F (-4°C)		
	Service Ranges	-75°F to +200°F (-59°C to +93°C)		
<b>Liner</b>	A semi-bleached calendar kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll -to -roll applications where a more demanding liner is needed.			
	Caliper, inches	0.0032+/- 10%	TAPPI T-411	
	Basis Weight, lbs. (24" x 36"/500 sheets)	50 +/- 10%	TAPPI T-410	
<b>Shelf Life</b>	One year when stored at 72° F and 50% R.H.			

Durascan is a registered trademark of the Morgan Adhesives Company

The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, 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).

**\* 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.

<sup>TM</sup> Trademark of Morgan Adhesives Company.

® Registered Trademark of Morgan Adhesives Company.

