



PERFORMANCE GUIDE

Represents Typical Values Only

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TN5102

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Durascan® N Thermal Transfer Film

Description		Applications and End Uses	
Product	TN5102 is a bright white BOPP film with a removable acrylic based adhesive with a 2.4 semi-bleached super calendared 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 with removable adhesive is needed.	
Face	A bright white BOPP film designed for thermal transfer as well as flexo printing.		
	Physical Properties Without Adhesive		
	Caliper, inches	0.00315+/- 10%	TAPPI T-411
	Brightness	92% Min	TAPPI T-525
	Opacity	87% Min	TAPPI T-425
	Tensile, kg Min	10 MD 17 CD	TAPPI T-494
	Tear, kg Min	19 MD 24 CD	TAPPI T-414
	Basis Weight, lbs. (24" x 36"/500)	42.5 +/- 10%	TAPPI T-410
Adhesive	HR-51 is a general-purpose acrylic based removable adhesive with excellent long-term removability from a wide variety of surfaces. Always pretest removable adhesives for suitability in each particular end use application.		
	Physical Properties of Adhesive		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	Corrugate 300	g/1" (180°angle 12"/min)
		HDPE 400	
		Stainless Steel 600	
	Loop Tack g/1"	> 300	
	Temperature Ranges		
	Minimum Application	+32°F (0°C)	
	Service Ranges	-40°F to +200°F (-40°C to +93°C)	
Liner	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
Shelf Life	One year when stored at 72° F and 50% R.H.		

Durascan® is a registered trademark of 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.

*** 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

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