



PERFORMANCE GUIDE

Represents Typical Values Only

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DSS5001

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Durascan® S Thermal Transfer Film

Description		Applications and End Uses	
Product	DSS5001 is a 3.2 mil thermal transfer printable coated white biaxially oriented polyethylene with a quick tack permanent rubber-based adhesive and a 2.4 semi-bleached super calendared kraft liner.		Thermal transfer and prime labels requiring durability. Applications and markets include food, beverage, shipping, drum labels, piping, lumber, appliances, carpet backing, pallets.
Face	A high-density polyethylene film, clay coated to provide an excellent thermal transfer printing surface.		
	Physical Properties Without Adhesive		
	Caliper, inches	0.0032 (3.2 mils)	ASTM D-2103
	Tensile, ppiw	23 MD 22 CD	ASTM D-638
	Basis Weight, lbs. (25" x 38"/500 sheets)	44 +/- 10%	TAPPI T-410
Adhesive	733 is a rubber-based adhesive characterized by moderate initial tack and excellent ultimate adhesion to shrink films, corrugated and other substrates that are often utilized in cold temperature and freezer packaging. 733 has also demonstrated effective adhesion to cold/wet substrates.		
	Physical Properties of Adhesive		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	2.5 lbs. or paper tear	PSTC-101A (30 min. applied)
	Temperature Ranges		
	Minimum Application	0° F (-18°C)	CTM #45 Curwood
	Service Ranges	-65 to +150° F (-54 to +66°C)	Polyester Film Dry Surface
Liner	A semi-bleached super calendared kraft liner excellent for die cutting, stripping 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 the Morgan Adhesives Company

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

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 MACTac.com

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

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