



# PERFORMANCE GUIDE

Represents Typical Values Only

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## DSS1701 Durascan® S Thermal Transfer Film

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Description	Applications and End Uses		
<b>Product</b>	DSS1701 is a 3.2 mil thermal transfer printable coated white biaxially oriented polyethylene with a quick tack permanent adhesive and a 2.4 semi-bleached super calendared kraft liner. The entire construction converts and prints on wider webs and higher-speeds than typical adhesive coated papers.		Thermal transfer and prime labels requiring durability. Applications and markets include food, beverage, shipping, drum labels, piping, lumber, appliances, carpet backing, pallets.
<b>Face</b>	A high-density polyethylene film, clay coated to provide an excellent thermal transfer printing surface.		
	<b>Physical Properties Without Adhesive</b>		
	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
<b>Adhesive</b>	InFusion™ is a Hybrid Adhesive System with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Exceptional high speed and wider web converting.		
	<b>Physical Properties of Adhesive</b>		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	Corrugate: 1.3 HDPE: 1.8 Stainless Steel: 2.7	PSTC-101A (30 min. applied)
	Loop Tack (1"), lbs./in.	Corrugate: 2.3 HDPE: 3.2 Stainless Steel: 4.8	PSTC-16
	Temperature Ranges		
	Minimum Application	+20°F (-7°C)	CTM #45 Curwood
	Service Ranges	-65°F to +160°F (-54°C to +71°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.		

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

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

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