

PERFORMANCE GUIDE

Represents Typical Values Only

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DSS4501 Durascan[®] S Thermal Transfer Film

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			Applicatio	Applications and End Uses		
Product	DSS4501 is a 3.2 mil thermal tran white biaxially oriented polyethy permanent rubber-based adhesiv bleached super calendared kraft BS 5609 Compliant. This product 1986 Section 2 – 'Marine and Lab of Label Base Materials'.	requiring d adhesive. include foo labels, pipi carpet bacl	Thermal transfer and prime labels requiring durability and an aggressive adhesive. 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	CD ASTM D-638		
	Basis Weight, lbs. (25" x 38"/500 sheets)		44 +/- 10%		TAPPI T-410	
Adhesive	705VHP is a high-tack rubber-based permanent adhesive formulated to provide excellent adhesion to many difficult substrates. The heavier coat weight of adhesive allows for good flow characteristics which permit adhesion to most rough textured surfaces.					
	Physical Properties of Adhesive	0.0014 . / 1.00/				
	Physical Properties of Adhesive Thickness, inches 180°Peel Adhesion, Ibs./in.	0.0014 +/- 10% HDPE: 3.7			01A (30 min. I)	
	Thickness, inches	HDPE: 3.7 Stainless Steel: 5.4 HDPE: 3.5		PSTC-10 applied PSTC-10	()	
	Thickness, inches 180°Peel Adhesion, lbs./in.	HDPE: 3.7 Stainless Steel: 5.4		applied	()	
	Thickness, inches 180°Peel Adhesion, lbs./in. Loop Tack (1"), lbs./in.	HDPE: 3.7 Stainless Steel: 5.4 HDPE: 3.5	4°C to +71°C)	applied PSTC-10 CTM #4	l) 6 15 Curwood er Film Dry	
Liner	Thickness, inches 180°Peel Adhesion, lbs./in. Loop Tack (1"), lbs./in. Temperature Ranges Minimum Application	HDPE: 3.7 Stainless Steel: 5.4 HDPE: 3.5 Wood: 0.9 +20°F (-7°C) -65°F to +160°F (-5		applied PSTC-10 CTM #4 Polyest Surface	l) 6 IS Curwood er Film Dry	
Liner	Thickness, inches 180°Peel Adhesion, lbs./in. Loop Tack (1"), lbs./in. Temperature Ranges Minimum Application Service Ranges A semi-bleached super calendare	HDPE: 3.7 Stainless Steel: 5.4 HDPE: 3.5 Wood: 0.9 +20°F (-7°C) -65°F to +160°F (-5		applied PSTC-10 CTM #4 Polyest <u>Surface</u> stripping	l) 6 IS Curwood er Film Dry	
Liner	Thickness, inches 180°Peel Adhesion, lbs./in. Loop Tack (1"), lbs./in. Temperature Ranges Minimum Application Service Ranges A semi-bleached super calendare Primarily for roll -to -roll applicat	HDPE: 3.7 Stainless Steel: 5.4 HDPE: 3.5 Wood: 0.9 +20°F (-7°C) -65°F to +160°F (-5 ed kraft liner excellent ions.	t for die cutting,	applied PSTC-10 CTM #4 Polyest <u>Surface</u> stripping 10%	l) 6 45 Curwood er Film Dry 9 and label dispensing	

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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 <u>www.mactac.com</u>.

* 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.

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