



PERFORMANCE GUIDE

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DSS7001

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Durascan® S Thermal Transfer Film

Description	Applications and End Uses			
Product	DSS7001 is a 3.2 mil thermal transfer printable coated white biaxially oriented polyethylene with a rubber based permanent, direct food contact adhesive and a 2.4 semi-bleached super calendared kraft liner.	Thermal transfer and prime labels requiring durability. Adhesive complies with direct food contact for dry fruits and vegetables.		
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, lbs./in.	25 MD 23 CD	TAPPI-494	
Adhesive	711VHP is a cold temperature, permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a wide variety of surfaces, including most packaging films. 711VHP may be used as the food contact surface of labels and/or tapes applied to poultry, dry food, and processed, frozen, dried, partial dehydrated and raw fruits and vegetables.			
	FDA approved for direct food contact under 21 CFR Section 175.125(a) and (b). Section 175.125(a) pertains to adhesive that are "used as the food-contact surface of labels and/or tapes applied to poultry, dry food, and processed, frozen, dried, or partially dehydrated fruits or vegetables". Section 175.125(b) pertains to adhesives that are "used as the food-contact surface of labels and/or tapes applied to raw fruit and raw vegetables".			
	Physical Properties of Adhesive			
	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	
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 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, 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

*** 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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