

TT9091-2

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Optiscan® 2C Thermal Transfer

Description	Applications and End Uses			
Product	TT9091-2 is a premium thermal transfer paper with an all temperature permanent adhesive and a 1.2 mil PET release liner.	Intended for thermal transfer label applications requiring an all temperature adhesive. *Compatible with most thermal transfer ribbons designed for coated papers.		
Face	A premium bright white, coated facestock designed for high-speed thermal transfer printing. This smooth, smudge resistant face offers great thermal transfer printing and excellent flexo printing.			
	Physical Properties Without Adhesive			
	Caliper, inches	0.0029 +/- 10%	TAPPI T-411	
	Brightness % Reflectance at 75° angle	87	TAPPI T-452	
	Opacity	87	TAPPI T-426	
	Stiffness	150 MD 100 CD	TAPPI T-543	
	Tear, grams	40 MD 50 CD	TAPPI T-414	
	Tensile, lbs./in.	28 MD 17 CD	TAPPI T-494	
Adhesive	710VHP is a permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Very good high speed and wider web converting.			
	Physical Properties of Adhesive			
	Thickness, inches	0.0007 +/- 10%		
	Peel Adhesion, lbs./in.	Corrugate: 1.3 HDPE: 1.8 Stainless Steel: 2.7	PSTC-101F (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	1.2 mil clear polyester liner excellent for die cutting, stripping, and label dispensing. Primarily for roll -to -roll applications.			
	Caliper, inches	0.0015 +/- 10%	TAPPI T-411	
	Basis Weight, lbs. (24" x 36"/500 sheets)	33 +/- 10%	TAPPI T-410	
Shelf Life	One year when stored at 72° F and 50% R.H.			

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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, 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 facestock. Please test all applications. Consult Mactac's Technical Marketing Department for guidelines regarding printer and ribbon compatibility.**

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