

### TT9902

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## Optiscan® 2C Thermal Transfer

Description	Applications and End Uses		
<b>Product</b>	TT9902 is a premium thermal transfer paper with an ultra high tack permanent adhesive and a 2.4 semi-bleached super calendared kraft liner	Intended for thermal transfer label applications requiring an ultra high tack permanent adhesive. *Compatible with most thermal transfer ribbons designed for coated papers.	
<b>Face</b>	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.		
	<b>Physical Properties Without Adhesive</b>		
	Caliper, inches	0.0029 +/- 10%	TAPPI T-411
	Brightness % Reflectance at 75° angle	83	TAPPI T-452
	Opacity	87	TAPPI T-426
	Stiffness	170 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
	Basis Weight, lbs. (25" x 38"/500 sheets)	48 +/- 10%	TAPPI T-410
<b>Adhesive</b>	A special formulation of permanent high tack acrylic adhesive with superior adhesion for demanding applications requiring greater tack than standard adhesives.		
	<b>Physical Properties of Adhesive</b>		
	Thickness, inches	0.0008 +/- 10%	
	Peel Adhesion, lbs./in.	Stainless Steel: 2.4	PSTC-101F (30 min. applied)
	Loop Tack, lbs./in.	3.9	PSTC-16
	Temperature Ranges		
	Minimum Application	+32°F (0°C)	CTM #45 Curwood
	Service Ranges	-75°F to +200°F (-59°C to +93°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.		

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