

TT5102

Revised: 02/2025 EAS

FSC® Optiscan® 2C Thermal Transfer

Description	Applications and End Uses		
Product	TT5102 is a premium thermal transfer paper with a removable adhesive and a 2.4 semi-bleached super calendared kraft liner.		
Face	Intended for thermal transfer label applications requiring a removable 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. FSC Certified. Certificate Number: SCS-COC-007635		
	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	HR-51 is a general-purpose acrylic based removable adhesive with excellent long-term removability from a wide variety of surfaces. Always pretest removable adhesives for suitability in each end use application. Test extensively on corrugate substrates. NOT RECOMMENDED FOR MANDREL APPLICATIONS.		
	Physical Properties of Adhesive		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	0.8	PSTC-101F (30 min. applied)
	Temperature Ranges		
	Minimum Application	32° F (0°C)	CTM #45 Curwood
	Service Ranges	-40 to +200° F (-40 to +93°C)	Polyester Film Dry Surface
Liner	A semi-bleached super calendared kraft liner excellent for die cutting and stripping. The liner is coated with a release system designed specifically for 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.		

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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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