

TT4502

Revised: 2/2025 EAS

FSC® Optiscan® 2C Thermal Transfer

Description		Applications and End Uses		
Product	TT4502 is a premium thermal transfer paper with an aggressive permanent adhesive and a 2.4 semi-bleached super calendared kraft liner.		Intended for thermal transfer label applications requiring an aggressive 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	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			
	Thickness, inches	0.0014 +/- 10%		
	90° Peel Adhesion, lbs./in.	HDPE: 2.0 Wood: 1.7 Cement Block: 0.7 Stainless Steel: 3.0	PSTC-101F (30 min. applied)	
	Loop Tack (1”), lbs./in.	HDPE: 3.5 Wood: 0.9	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.			

Optiscan is a registered trademark of 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, 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.**

IMPORTANT NOTICE: The information given, and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

TM Trademark of Morgan Adhesives Company.

® Registered Trademark of Morgan Adhesives Company.

