PERFORMANCE GUIDE

Represents Typical Values Only

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TT7802

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Optiscan® 2C Thermal Transfer

Description		Applications and End Uses
Product	TT7802 is a premium thermal transfer paper with a quick tack all temp permanent adhesive and a 2.4 super semi-bleached calendared kraft liner.	Intended for thermal transfer label applications. Ideal for cold damp substrates. 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

Chill is an All Temp permanent, rubber-based adhesive that performs well in normal to freezer temperature applications. Chill has excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications.

Physical Properties of Adhesive

Thickness, inches	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	HDPE: 1.4 Stainless Steel: 2.6	PSTC-101F (30 min. applied)
Loop Tack (1”), lbs./in.	HDPE: 2.6 Stainless Steel: 4.1	PSTC-16
Temperature Ranges		
Minimum Application	-10°F (-23.3°C)	CTM #45 Curwood
Service Ranges	-65°F to +150°F (-54°C to +65.6°C)	Polyester Film Dry Surface

Liner

A 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)	39.5 +/- 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.

Thermal transfer printing quality and bar code scannability are dependent upon the interworking of several elements; the ribbon, the print head and the facestock. Please test all applications. Consult MACtac’s Technical Marketing Department for guidelines regarding printer and ribbon compatibility.

Note: The user is responsible for determining the product’s suitability for all aspects of the applications. If there are any questions about applications, ore 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

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