PERFORMANCE GUIDE

Represents Typical Values Only

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TTV9552-7

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FSC® Optiscan® V Thermal Transfer

Description		Applications and End Uses
Product	TTV9552-7 is a premium thermal transfer vellum paper with a permanent acrylic emulsion adhesive and **Bloom® hi.mpact™** 1.6 mil white glassine liner.	Intended for thermal transfer label applications. *Compatible with most thermal transfer ribbons designed for coated papers.

Face

A premium bright white, vellum facestock designed for high-speed thermal transfer printing. This smooth, smudge resistant face offers great thermal transfer printing and good flexo printing. FSC Certified. Certification Number: SCS-COC-007635

Physical Properties Without Adhesive

Caliper, inches	0.0025 +/- 10%	ISO 534
Brightness % Reflectance at 75° angle	88	ISO 2470
Opacity	87	ISO 2471
Tear, grams	39 MD 40 CD	ISO 1974
Tensile, lbs./in.	28.6 MD 13.7 CD	ISO 1924

Adhesive

ST95 is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass and various plastic substrates. Considered to be latex glove friendly for use in some healthcare applications.

Physical Properties of Adhesive

Thickness, inches	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	1.9 or paper tear stainless steel	PSTC-101F (30 min. applied)
Temperature Ranges		
Minimum Application	+25°F (-4°C)	CTM #45 Curwood Polyester Film Dry Surface
Service Ranges	-75°F to +200°F (-59°C to +93°C)	

Liner

Bloom hi.mpact is a glassine liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

Caliper, inches	0.0016 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	27.7 +/- 10%	TAPPI T-410

Shelf Life

One year when stored at 72° F and 50% R.H.

This product complies with CONEG regulations. All Mactac Roll Label products meet the requirements of the Clean Air Act of 1990. 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 scanability 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.***