



# PERFORMANCE GUIDE

## Represents Typical Values Only

www.Mactac.com

**TCDT7002**

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### Face Description

A **medium sensitivity** bright white direct thermal paper top coated for optimum environmental resistance. Optimal wavelength range under 660nm.

Test Property	Typical Values	Test Method
Basis Weight 4 x 36 sheets	48.5#	TAPPI T-410
Caliper, inches	0.00315 +/- 10%	TAPPI T-411
Tear, grams	43 MD 44 CD	TAPPI-414
Tensile, lbs./in.	32 MD 16 CD	TAPPI-494
Brightness %	92.5% Avg.	TAPPI T-452
PPS s-10	1.2.	TAPPI T-538
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		196 ± 9°F (91 ± 5°C)
Effective Activation Temp (O.D.=1.0)		223 ± 9°F (106 ± 5°C)
Optimum Activation Temp (O.D.=1.4)		275± 9°F (135 ± 5°C)
Resistance to Oils, Fats, Blood, Plasticizers		Excellent
Basis Weight 4 x 36 sheets	48.5#	

### Adhesive Description

711VHP is a cold temperature, permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a wide variety of surfaces, including most packaging films.

FDA approved for direct food contact under 21 CFR Section 175.125(ab) and (b). Section 175.125(a) pertains to adhesives that are “used as the food-contact surface of labels and/or tapes applied to poultry, dry food, and processed, frozen, dried, or partially dehydrated fruits or vegetables”. Section 175.125(b) pertains to adhesives that are “used as the food-contact surface of labels and/or tapes applied to raw fruit or vegetables”.

Test Property	Typical Values	Test Method
Caliper, inches	0.0007 +/- 10%	
Min Application	20°F (-7°C)	
Service range	-65 to 150°F (-54°C to 71°C)	
Average Peel Adhesion Stainless Steel 30 minutes applied/90° angle	2.7/lbs/inch	PSTC-101F (30 min. applied)
Loop Tack lbs./sq. in.	4.5 lbs/sq. inch	PSTC-16

When comparing values, keep in mind, other suppliers may use different testing methods.

### Liner Description

A semi-bleached super calendared kraft liner excellent for die cutting and stripping. The liner release system is designed specifically for label dispensing. Primarily for roll-to-roll applications.

Test Property	Typical Values	Test Method
Caliper	0.0024 +/- 10%	TAPPI T411
Basis Weight	40 +/- 10%	TAPPI T410

### Applications

Used for barcode and human readable labels in retail and industrial markets. Recommended for use in **standard speed** thermal printers.

### Shelf Life

One year when stored at 72°F and 50% RH. For more about Direct Thermal Storage, see the Technical Bulletin for Direct Thermal Storage at [www.mactac.com](http://www.mactac.com).

*Note: 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](http://www.mactac.com)*

**CALL 1-800-548-3456 for additional product information**

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