



# PERFORMANCE GUIDE

Represents Typical Values Only

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**TCDT2602**

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## Face Description

A **medium sensitivity** bright white direct thermal paper top coated for optimum environmental resistance. Optimal wavelength range under 663nm.

Test Property	Typical Values	Test Method
Basis Weight 24 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

## Adhesive Description 640AT

An all temperature acrylic adhesive that performs well in normal to freezer temperature applications. 640AT exhibits open time on some substrates (please test) and develops a permanent bond to a wide variety of substrates.

Test Property	Typical Values	Test Method
Caliper, inches	0.0007 +/- 10%	
Min Application	-20°F (-29°C)	
Service range	-65 to 200°F (-54°C to 93°C)	
Average Peel Adhesion Stainless Steel 30 minutes applied/90° angle	1.8/lbs/inch	PSTC-101F (30 min. applied)
Loop Tack g/1"	2.4 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, food packaging 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, 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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