



PERFORMANCE GUIDE

Represents Typical Values Only

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DTW2602, DTW2601-P10

Revised 3/2025 KSM

FSC® Topcoated DT 640AT 2.4 SCK

Face Description

A **medium sensitivity** top-coated direct thermal paper with exceptional environmental resistance to plasticizers and for use in standard speed thermal printers. FSC Certified. Certificate Number: SCS-COC-007635

Test Property	Typical Values	Test Method
Basis Weight 25 x 38 sheets	50 # Avg	TAPPI T410
Caliper, inches	0.0032 +/- 10%	TAPPI T411
Tear, grams	47 MD 45 CD	TAPPI-414
Tensile, lbs/in	30MD 14 CD	TAPPI-494
Brightness %	90% Avg.	TAPPI T-452
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		198 ± 9°F (92 ± 5°C)
Effective Activation Temp (O.D.=0.8)		287 ± 9°F (142 ± 5°C)
Optimum Activation Temp (O.D.=1.0)		300± 9°F (145 ± 5°C)
Resistance Heat & Humidity		Excellent
Resistance to Plasticizers		Good
Resistance to Heat		Excellent
15 Hour Water Immersion		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-101/Method F MACTac CTM54
Loop Tack g/1"	2.4 lbs/sq. inch	PSTC-16/Method A MACTac CTM25

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 deli weigh scale, bakery label, or short term shipping label applications requiring more environmental resistance to plasticizers, heat, and heat and humidity and a cold temperature adhesive. 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.

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



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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

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