



PERFORMANCE GUIDE

Represents Typical Values Only

www.Mactac.com

DBH2601

Revised 11/2023 LEL

Face Description

A durable **medium sensitivity** to **high density** top coated direct thermal polypropylene film exhibits excellent smoothness and resistance.

Test Property	Typical Values	Test Method
Basis Weight 17 x 22 /500	18.4 +/-10%	TAPPI T410
Caliper, inches	0.0032 +/- 10%	TAPPI T411
Brightness %	88%	TAPPI T525
Smoothness, Sheffield Units	< 30	TAPPI T538
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		175 ± 9°F (9.4 ± 5°C)
Effective Activation Temp (O.D.=1.0)		220 ± 9°F (104.4 ± 5°C)
Optimum Activation Temp (O.D.=1.34)		213 ± 9°F (118.3 ± 5°C)
Resistance to Oils, Plasticizers		Excellent
Image Retention in 24 hour water immersion (non-abrasive)		Excellent
Wet Rub Image Retention		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/180° angle	1.8/lbs/inch	PSTC-101A/Method A MACTac CTM8
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 retail, healthcare and industrial markets where a film face and all temp adhesive is needed. 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.

Please contact your MACTac Account Manager or MACTac Customer Service 1-800-548-3456 for compliance to other regulatory requirements.

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

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

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