

FSC® DTW2602PB Direct Thermal Translabel® - Custom

Revised: 3/2023 LEL

Product Description:

A medium sensitivity topcoated direct thermal facestock in a piggyback construction used when a transferable label is required. 640AT all temperature permanent adhesive is used on both face and middle liner. Both the middle and bottom ply are 2.4 semi-bleached super calendared kraft

Face Description:

A **medium sensitivity** topcoated direct thermal paper with exceptional environmental resistance to plasticizers and for use in standard speed thermal printers. Optimal wavelength range under 660nm. FSC Certified. Certificate Number: FSC- C161021.

Physical Properties Without Adhesive		
Test Property	Typical Values	Test Method
Smoothness, PPS test	1 micron	TAPPI T-55A
Initial Activation Temp (O.D.= 0.2)	198 ± 9°F (92 ± 5°C)	
Effective Activation Temp (O.D.= 0.8)	228 ± 9°F (109 ± 5°C)	
Optimum Activation Temp (O.D.=1.0)	300 ± 9°F (149 ± 5°C)	
Image Color	Black	
Brightness %	90	TAPPI T-452
Caliper, inches	0.0032 +/- 10%	TAPPI T-411
Basis Weight, lbs. (25" x 38"/500)	50 +/- 10%	TAPPI T-410

Adhesive Descriptions: 640AT

640AT is 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.

Physical Properties of Adhesive 640AT		
Test Property	Typical Values	Test Method
Thickness	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	1.8 or paper tear	PSTC-101F (30 min. applied)
Minimum Application Temperature	-20°F (-29°C)	CTM #45 Curwood Polyester Film Dry Surface
Service Ranges	-65°F to +200°F (-54°C to 93°C)	CTM #45 Curwood Polyester Film Dry Surface

Liner Description:

Both the middle and bottom liner are a semi-bleached super calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

Physical Properties of Liner		
Test Property	Typical Values	Test Method
Caliper, inches	0.0024 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	40 +/- 10%	TAPPI T-410

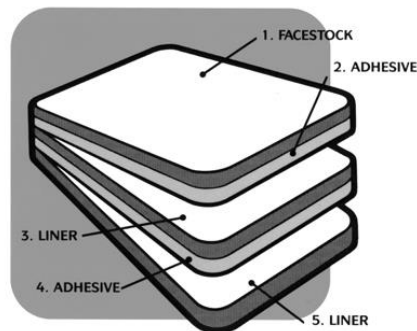
Shelf Life:

Unconverted Product - one year when stored at 72°F and 50% R.H

APPLICATIONS AND USES

Used in piggyback applications for barcode and human readable labels in **deli weigh scale, bakery label, or short term shipping label** applications requiring more environmental resistance to plasticizers, oils, hand creams and alcohol than non-top-coated direct thermal paper. Recommended for use in **standard speed** thermal printers.

TRANSLABEL®



Regulatory Information

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

Please Note: The user is responsible for determining the product's suitability for all aspects of the applications. If there are 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

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

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

TM Trademark of Morgan Adhesives Company.

® Registered Trademark of Morgan Adhesives Company.

