

TCDT2602PB Direct Thermal Translabel® - Custom

Revised: 07/2019 CNS

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.

| 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) | 190 ± 9°F (88 ± 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) | 52+/- 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.

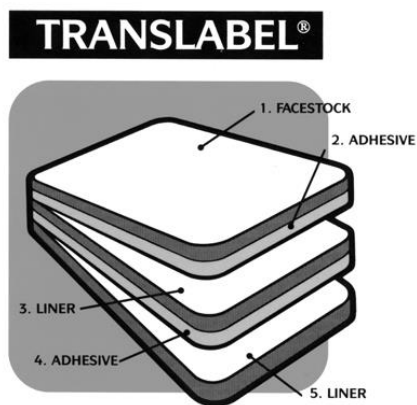
| Physical Properties of Liner | | |
|---|-------------------|-------------|
| Test Property | Typical Values | Test Method |
| Caliper, inches | 0.0024 +/- 10% | TAPPI T-411 |
| Basis Weight, lbs. (24" x 36"/500 sheets) | 40 +/- 10% | TAPPI T-410 |

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 retail, food packaging and industrial markets where an all temperature adhesive is needed. Recommended for use in **standard speed** thermal printers.



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

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