

## FSC® DTM9502PB Direct Thermal Translabel®

Revised: 03/2023 LEL

### Product Description:

A medium sensitivity topcoated direct thermal facestock in a piggyback construction used when a transferable label is required. ST95 permanent adhesive is used on both face and middle liner. Both the middle and bottom ply are 2.45 semi-bleached calendared kraft

### Face Description:

A **medium sensitivity** bright white direct thermal paper topcoated for optimum environmental resistance. 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)		192 ± 9°F (89 ± 5°C)
Effective Activation Temp (O.D.= 0.8)		221 ± 9°F (105 ± 5°C)
Optimum Activation Temp (O.D.=1.0)		225± 9°F (107 ± 5°C)
Image Color		Black
Brightness %	89	TAPPI T-452
Caliper, inches	0.00295+/- 10%	TAPPI T-411
Basis Weight 25x 38 sheets	45.5# Avg.	Basis Weight 25x 38 sheets

### Adhesive Description ST-95

ST95 is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass, and various plastic substrates. Considered to be latex glove friendly for use in some healthcare applications.

Physical Properties of Adhesive		
Test Property	Typical Values	Test Method
Thickness	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	1.9 or paper tear	PSTC-101F (30 min. applied)
Minimum Application Temperature	+25°F (-4°C)	CTM #45 Curwood Polyester Film Dry Surface
Service Ranges	-75°F to +200°F (-59°C to 93°C)	CTM #45 Curwood Polyester Film Dry Surface

### Liner Description:

Both the middle and bottom liner are a semi-bleached 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	0.00245 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	40 +/- 10%	TAPPI T-410

### Shelf Life:

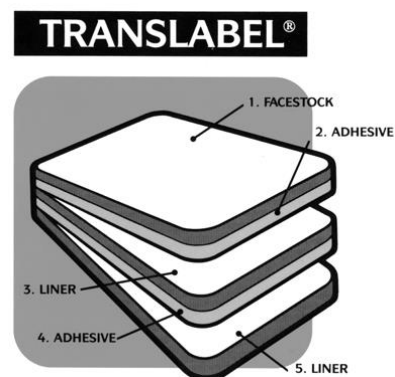
Unconverted Product - one year when stored at 72°F and 50% R.H

### APPLICATIONS AND USES

Used for barcode and human readable labels in retail, healthcare and industrial markets. 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.tac.com](http://www.tac.com)

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