

ULINEDTNB (includes Precise part ULINEDTNB-P10)

Revised 05/2025 eas

FSC® Uline Topcoated No Added Bisphenol Direct Thermal ST95 2.4 SCK

Face Description - ULINE Top-coated Direct Thermal

A **medium sensitivity** bright white direct thermal top-coated paper *manufactured without added bisphenols* for optimum environmental resistance. Optimal wavelength range under 660nm. FSC Certified.
Certificate Number: SCS-COC-007635

Test Property	Typical Values	Test Method
Basis Weight 17x 22 sheets	17.45# Avg.	TAPPI T-410
Caliper, inches	0.0028 +/- 10%	TAPPI T-411
Tear, grams	35 MD 33 CD	TAPPI-414
Tensile, lbs/in	28 MD 14 CD	TAPPI-494
Brightness %	89% Avg.	TAPPI T-525
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		203 ± 9°F (95 ± 5°C)
Effective Activation Temp (O.D.=1.0)		230 ± 9°F (110 ± 5°C)
Optimum Activation Temp (O.D.=1.67)		300± 9°F (149 ± 5°C)

Adhesive Description

ULINE Perm is a permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion. Excellent adhesion to corrugated, glass, and various plastic substrates and has glove friendly properties for healthcare applications. Not recommended for tight mandrel applications.

Test Property	Typical Values	Test Method
Caliper, inches	0.0007 +/- 10%	
Min Application	25°F (-4°C)	
Service range	-75 to 200°F (-60°C to 93°C)	
Average Peel Adhesion Stainless Steel 30 minutes applied/90° angle	1.9/lbs/inch	PSTC-101F/(30 min. applied) MACTac CTM54
Loop Tack g/1"	3.6 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. 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.

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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