



PERFORMANCE GUIDE

Represents Typical Values Only

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DTN1752

Last Updated 11/10 KSM

Face Description

A **medium sensitivity** non-topcoated direct thermal paper for use in standard speed thermal printers.

Test Property	Typical Values	Test Method
Basis Weight 24 x 36 sheets	47 # Avg	TAPPI T410
Caliper, inches	0.0032 +/- 10%	TAPPI T411
Tear, grams	45 MD 40 CD	TAPPI-414
Tensile, lbs/in	26 MD 17 CD	TAPPI-494
Brightness %	90% Avg.	TAPPI T-525
Smoothness, Bekk test	250 sec Avg.	TAPPI T-479
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		185 ± 9°F (85 ± 5°C)
Effective Activation Temp (O.D.=0.8)		230 ± 9°F (110 ± 5°C)
Optimum Activation Temp (O.D.=1.2)		266± 9°F (130 ± 5°C)
Resistance to Alcohol, Oils		Fair
Resistance to Plasticizers		Fair
Resistance to Abrasion		Poor
Resistance to Solvents		Poor
15 Hour Water Immersion		Fair

Adhesive Description InFusion™

InFusion is a Hybrid Adhesive System with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Exceptional high speed and wider web converting. Complies with FDA 21 CFR 175.105

Physical Properties of Adhesive		
Test Property	Typical Values	Test Method
Thickness, inches	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	2.7 or paper tear	PSTC-2 (30 min. applied)
Temperature Ranges		
Minimum Application	+20°F (-7°C)	CTM #45 Curwood Polyester Film Dry Surface
Service Ranges	-65 to 160°F (-54°C to +71°C)	

When comparing values, keep in mind, other suppliers may use different testing methods.

Liner Description

A white glassine liner outstanding for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

Test Property	Typical Values	Test Method
Caliper	53 µm	ISO 534
Grammage	60 g/m2	ISO 536

Applications

Used for barcode and human readable labels in short term shipping label applications only, not exposed to extreme environmental conditions. Recommended for use in **standard speed** thermal printers.

Shelf Life

One year when stored at 72°F and 50% RH

Regulatory Information

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

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