



PERFORMANCE GUIDE

Represents Typical Values Only

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DTW1752

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Face Description KL370

A **medium sensitivity** top-coated direct thermal paper with exceptional environmental resistance to plasticizers and for use in standard speed thermal printers. Optimal wavelength range under 660nm.

Test Property	Typical Values	Test Method
Basis Weight 17 x 22 sheets	21 # Avg	TAPPI T410
Caliper, inches	0.0032 +/- 10%	TAPPI T411
Tear, grams	47 MD 45 CD	TAPPI-414
Tensile, lbs/in	30MD 14 CD	TAPPI-494
Brightness %	90% Avg.	TAPPI T-452
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		213 ± 9°F (101 ± 5°C)
Effective Activation Temp (O.D.=0.8)		287 ± 9°F (142 ± 5°C)
Optimum Activation Temp (O.D.=1.0)		300 ± 9°F (145 ± 5°C)
Resistance Heat & Humidity		Excellent
Resistance to Plasticizers		Good
Resistance to Heat		Excellent
15 Hour Water Immersion		Excellent

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.

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 (-64°C to +71°C)	

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

Liner Description

A white glassine paper with excellent strength for high speed converting and dispensing 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 retail, and industrial markets for weigh scale, shipping, laboratory and patient tracking, record keeping, inventory tracking needing a **quick tack** adhesive. 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. Please contact your MACTac Account Manager or MACTac Customer Service 1-800-548-3456 for compliance to other regulatory requirements.

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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