



## PERFORMANCE GUIDE

Represents Typical Values Only

www.MACTac.com  
DTM9552

KSM 7.7.15

### Face Description

A **medium sensitivity** bright blue white direct thermal paper topcoated for optimum environmental resistance. Optimal wavelength range under 660nm.

Test Property	Typical Values	Test Method
Basis Weight 24 x 36 sheets	50# Avg.	TAPPI T-410
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Caliper, inches	0.0031 +/- 10%	TAPPI T-411
Tear, grams	45 MD 40 CD	TAPPI-414
Tensile, lbs/in	26 MD 17 CD	TAPPI-494
Brightness %	85% Avg.	TAPPI T-525
Smoothness, Bekk test	1400 sec Avg.	TAPPI T-479
Image Color		Black
Initial Activation Temp (O.D.=0.2)		176 ± 9°F (80 ± 5°C)
Effective Activation Temp (O.D.=0.8)		194 ± 9°F (90 ± 5°C)
Optimum Activation Temp (O.D.=1.4)		212 ± 9°F (100 ± 5°C)
Resistance to Oils, Fats, Blood, Plasticizers		Excellent
15 Hour Water Immersion		Excellent

### 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. Complies with FDA 21 CFR 175.105

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-101/Method F 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 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/m <sup>2</sup>	ISO 536

### 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](http://www.mactac.com).

### 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, 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](http://www.mactac.com)

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