



# PERFORMANCE GUIDE

Represents Typical Values Only

www.Mactac.com

**DTM8602**

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## Face Description

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

Test Property	Typical Values	Test Method
Basis Weight 25x 38 sheets	45.5# Avg.	TAPPI T-410
Caliper, inches	0.00295 +/- 10%	TAPPI T-411
Tear, grams	45 MD 40 CD	TAPPI-414
Tensile, lbs/in	29 MD 15 CD	TAPPI-494
Brightness %	89% Avg.	TAPPI T-525
Image Color	Black	
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.=1.4)		225 ± 9°F (107 ± 5°C)
Resistance to Heat & Humidity		Outstanding
Resistance to Oils, Fats, Blood, Plasticizers		Excellent
15 Hour Water Immersion		Excellent

## Adhesive Description MR860

MR860 is a general-purpose acrylic based removable adhesive with excellent long-term removability from a wide variety of surfaces. Always pretest removable adhesives for suitability in each particular end use application. Test extensively on corrugated substrates. NOT RECOMMENDED FOR MANDREL APPLICATIONS.

Test Property	Typical Values	Test Method
Caliper, inches	0.0007 +/- 10%	
Min Application	25°F (-4°C) on most surfaces	
Service range	-40 to 200°F (-40°C to 93°C)	
Peel Adhesion, pounds/in.	Stainless Steel = 0.7	PSTC-101/Method F (7 days applied)
	Glass = 0.6	
	HDPE = 0.6	
	PVC = 0.8	

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 and industrial markets where removable labels are required. 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).

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)

CALL 1-800-548-3456 for additional product information

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