



PERFORMANCE GUIDE

Represents Typical Values Only

www.Mactac.com

DTM9502

Revised 12/2017 KSM

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 17 x 22 sheets | 19# 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 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.

| 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 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

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

TM Trademark of Morgan Adhesives Company.

[®] Registered Trademark of Morgan Adhesives Company.

