



PERFORMANCE GUIDE

Represents Typical Values Only

www.Mactac.com

MACScript™ 2 DDRX9502

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Face Description

MACScript 2 is a medium/high sensitivity top coated direct thermal paper for use in high speed or low voltage thermal printers. This bright white sheet makes text easy to read and graphics pop. This sheet is free of all phenol based chemistry such as BPA and BPS.

| Test Property | Typical Values | Test Method |
|--|----------------|-----------------------|
| Basis Weight 25x38 /500 | 49.5 # | TAPPI T410 |
| Caliper, inches | 0.0031 +/- 10% | TAPPI T411 |
| Brightness % | >80.5% Min. | TAPPI T525 |
| Smoothness, Parker test | <1.3 um Max. | TAPPI T555 |
| Image Color | Black | |
| Initial Activation Temp (O.D. U=0.2) | | 239 ± 9°F (115 ± 5°C) |
| Effective Activation Temp (O.D. U=1.0) | | 289 ± 9°F (143 ± 5°C) |
| Optimum Activation Temp (O.D. U=1.14) | | 302 ± 9°F (150 ± 5°C) |
| Resistance to Oils, Fats, Blood Plasticizers | | Excellent |
| Resistance to Alcohol, Solvents | | Excellent |
| Image Retention in 24 hour water | | Very Good |
| Wet Rub Image Retention | | 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. *Not recommended for tight mandrel applications such as test tubes and syringes.*

| 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-101F/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

Prescription labeling and other applications exposed to oils, water, sunlight, heat, lotions, hand sanitizers, & soaps. **MAY NOT NEED PRESS APPLIED OVERCOAT** for environmental protection.

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

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