



PERFORMANCE GUIDE

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LAS1812 MACcopy® Standard Replaces NI1841

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Product Description:

A standard weight, flexible stock designed for excellent image quality and processing in most high speed, mid-range, and continuous feed toner fusion printers. Roll-to-sheet applications.

Face Description:

A 50# white facestock specially engineered for toner fusion. Bright whiteness, excellent opacity and first read scan rates.

| Physical Properties Without Adhesive | | |
|--------------------------------------|----------------|-------------|
| Test Property | Typical Values | Test Method |
| Tear, grams | 52 MD 60 CD | TAPPI T-414 |
| Tensile, lbs./in. | 40 MD 18 CD | TAPPI T-494 |
| Caliper, inches | 0.0037 +/- 10% | TAPPI T-411 |
| Basis Weight, lbs. (25" x 38"/500) | 50 +/- 10% | TAPPI T-410 |
| Opacity, % | 89 | TAPPI T-425 |
| Brightness, % | 92 | TAPPI T-452 |
| Smoothness, Sheffield Units | 93 | TAPPI T-538 |

Adhesive Description

MP-910 adhesive is a patented formula designed to eliminate virtually all sheet edge adhesive bleed and eliminate the need to strip a matrix around the edge. It is general purpose, permanent acrylic emulsion adhesive, characterized by excellent ultimate adhesion to a wide variety of substrates.

| Physical Properties of Adhesive | | |
|---------------------------------|--------------------------------|----------------------------|
| Test Property | Typical Values | Test Method |
| Peel Adhesion, lbs./in. | 1.7 or paper tear | PSTC-2 (30 min. applied) |
| Temperature Ranges | | |
| Minimum Application | +25°F (-4°C) | CTM #45 Curwood |
| Service Ranges | -75°F to 200°F (-60°C to 93°C) | Polyester Film Dry Surface |

Liner Description:

A semi-bleached super-calendered lay flat liner specially selected for use in toner fusion and other non-impact printer roll-to-sheet and continuous feed applications.

| Physical Properties of Liner | | |
|---|----------------|-------------|
| Test Property | Typical Values | Test Method |
| Caliper, inches | 0.0032 +/- 10% | TAPPI T-411 |
| Basis Weight, lbs. (24" x 36"/500 sheets) | 53 +/- 10% | TAPPI T-410 |

Shelf Life:

Unconverted Product - one year when stored at 72°F and 50% R.H

APPLICATIONS AND USES

Typically used for a wide range of label applications including asset and inventory tags, pricing, order picking, work-in-process, shipping and address labels, retail product and audio/visual cassette and CD/R labels.

LAS1812 MACcopy Standard is designed to run smoothly in a variety of medium, high speed and continuous feed toner fusion printers, as well as some desktop laser printers and photocopiers where caliper/basis weight constraints are not a concern. Since the design and grain direction of the form can have a direct impact on the product's performance, MACTac highly recommends sufficient testing on the material in its intended design prior to use.

Registered for use on VIPColor® VP2020 Digital Color Label

CONVERTING TIPS

Environment: Laser stocks are recommended to be converted under climate controlled conditions (72°F/50% RH). Protect all unused roll material by wrapping in protective stretch wrap. Do not store directly on concrete floors.

Label Design: Many printer manufacturers have specific guidelines for label form designs, which may include and are not limited to, the amount of edge matrix removed, perforations, maximum caliper, etc. It is recommended the label design be within the printer manufacturer specifications and adequately tested before use.

Die Cutting: Use traditional rotary equipment, avoid flat bed dies and check that die cuts are not too deep to prevent feeding problems.

Printing: The compatibility of preprint flexo inks with toner should be fully evaluated and the following should be avoided: large areas of ink, flood coating, over-drying the web, and powdering sheets. Use inks designed to process through toner fusion printers and accept toner.

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

Packaging: Protect material from moisture and physical damage by shrink wrapping no more than 200 sheets between two sheets of sturdy chipboard or corrugated paperboard that are equal to or greater than the size of the pressure sensitive form. **Bulk packaging is not recommended.**

END-USE TIPS

Storage: Store at 72°F and 50% RH in protective wrappings and rewrap partially used reams. Do not stack cartons more than its Edge Crush Test (ECT) rating or store directly on concrete floors. Condition label stock for at least 72 hours within the printing environment prior to usage.

Maintenance: It is recommended the printer(s) be serviced periodically to ensure best performance.

Usage: Typically, printer manufacturers offer specific guidelines for the use of label media. Use the printer manufacturer's recommended tray(s) for label media and do not overfill the tray. In addition, some printer driver software contains selections that may optimize a label media product's performance. Do not fan stacks prior to loading, and do not attempt to load damaged sheets.

Lay Flat Guarantee

Guaranteed to exhibit layflat properties of no greater than +/- 1/2" when evaluating an 8-1/2" x 11" sheet on a flat surface, face up orientation in a climate controlled (72°F/ 50% RH) environment. It is recommended that this material be produced using 6" O. D. core to prevent core related roll set curl. Any products supplied on or rewound on other than 6" cores do not carry the layflat guarantee. Allow the material to acclimate to the environment for 72 hours before printing and converting.

Regulatory Information

This product complies with CONEG regulations. All MACtac Roll Label Products meet the requirements of the Clean Air Act of 1990.

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