



# PERFORMANCE GUIDE

## Represents Typical Values Only

www.Mactac.com

### FSC® LAS1812 MACcopy® *New*

*Includes LAS1813, which is shipped on 3" cores*

Revised: 02/2025 EAS

#### 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. Also compatible for ink jet printing. Roll-to-sheet applications.

#### Face Description:

A 50# white facestock specially engineered for toner fusion and ink jet printing. Bright whiteness, excellent opacity and first read scan rates. FSC Certified. Certification Number: SCS-COC-007635

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, %	93.5	TAPPI T-452
Smoothness, Sheffield Units	90	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
Thickness, inches	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	1.7 or paper tear	PSTC-101F (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 clay coated kraft lay flat liner specially selected for use in toner fusion and other non-impact printer roll-to-sheet 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)	44 +/- 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.

#### 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**



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**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  $\pm 1/2$ " 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.

**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.

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