



PERFORMANCE GUIDE

Represents Typical Values Only

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FSC® NS1812-PJR MACcopy® Semi Gloss JR.

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

Revised: 02/2020 CNS

Product Description:

A semi-gloss, coated litho construction designed for excellent image quality and processing in most toner fusion printers. Roll-to-roll applications. FSC Certified. Certificate Number: FSC-C161021

APPLICATIONS AND USES

Typical applications include toner fusion printed labels that require a semi gloss finish, such as decorative address, craft, or food and beverage labels.

Face Description:

A 60#, high strength, semi-gloss, white, coated litho paper stock designed for quality printing and high speed converting and chosen for its toner fusion print capabilities.

NS1812-PJR MACcopy Semi Gloss JR. is a short roll Precise program that is available at 1,250' on 3" cores. This product is designed to run smoothly in roll fed toner digital presses.

| Physical Properties Without Adhesive | | |
|--------------------------------------|----------------|-------------|
| Test Property | Typical Values | Test Method |
| Tear, grams | 45 MD 41CD | TAPPI T-414 |
| Tensile, lbs./in. | 36 CD 25CD | TAPPI T-494 |
| Caliper, inches | 0.0033 +/- 10% | TAPPI T-411 |
| Basis Weight, lbs. (25" x 38"/500) | 60/- 10% | TAPPI T-410 |
| Brightness, % | 90 | TAPPI T-452 |
| Smoothness, Sheffield Units | 63 | TAPPI T-538 |

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.

Adhesive Description

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

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.

| Physical Properties of Adhesive | | |
|---------------------------------|--------------------------------|--|
| Test Property | Typical Values | Test Method |
| 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 Polyester Film Dry Surface |
| Service Ranges | -75°F to 200°F (-60°C to 93°C) | |

Pre-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.

Liner Description:

A clay coated kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

Regulatory Information

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

| 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 |

The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or 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

Shelf Life:

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



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version at www.mactac.com*

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