

Thermal Transfer Ribbons

TECHNICAL DATA SHEET



LABELS DIRECT

MP Mid Wax/Resin

PRODUCT DESCRIPTION

This wax/resin formulation prints deep black barcodes and other variable information that is easily read. It delivers excellent small character clarity and edge definition and is extremely resistant to scratching and smudging of the printed image. Plus, this product eliminates label retrack, which means no faint shadows transferred to the labelstock when feeding through the printer. Designed to print on a wide variety of receiving materials, including coated and uncoated paper labels and tags, varnished label stock, and flood-coat, this wax/resin formulation is an excellent choice for extreme applications.

RECOMMENDED SUBSTRATES

Coated/uncoated tags, gloss paper, polypropylene, polyethylene, coated/uncoated papers, top-coated vinyl, polystyrene, polyolefin, Tyvek®, Tyvek Brillion®

PERFORMANCE CHARACTERISTICS

- Halogen-Free
- Ideal for printing on coated and uncoated paper labels and tags, varnished label stock, and films
- Sharp and reliable print quality at a wide variety of print speeds
- Anti-static for easy handling and extended printhead life
- Excellent bar code scannability
- Superior smudge and chemical resistance
- Extreme versatility

RECOMMENDED APPLICATIONS



AGENCY



ASSET
TRACKING



FLEXIBLE
PACKAGING



GENERAL



HEALTHCARE



HORTICULTURE



INVENTORY



LOGISTICS



MEDICAL
DEVICES



OUTDOOR



PARTS
PACKAGING



PHARMACEUTICAL



PRODUCT ID



RETAIL



SHELF



SHIPPING



SIGNAGE

MP Mid Wax/Resin

RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	$7.6 \pm 0.3\mu$	Micrometer
Base Film Thickness	$4.5 \pm 0.3\mu$	Micrometer
Ink Thickness	$3.1 \pm 0.2\mu$	Micrometer
Ink Melting Point	87°C (188°F)	Differential Scanning Calorimeter

DURABILITY OF PRINTED IMAGE

Label Stock: Polypropylene

Print Speed: 6 IPS

DESCRIPTION	RESULT	TEST METHOD
Print Density	> 1.70	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 50 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 20 Cycles @ 200 Grams with Stainless Steel Pointed Tip

* American National Standard Institute (ANSI) Grade Levels A, B, C, D, and F, where A is excellent, B is above average, C is average, D is below average, and F is poor

CONVERSION CHART

Millimeters (mm) to Inches = $\text{mm} \div 25.4$

Meters (m) to Feet (ft) = $\text{m} \div 0.3048$

C° to F° = $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$

Thousand square inches (MSI) to m² = $\text{MSI} \times 0.645$

Inches to Millimeters (mm) = $\text{Inches} \div 0.03937$

Feet (ft) to Meters (m) = $\text{Feet} \div 3.2808$

F° to C° = $(\text{F}^\circ \div 1.8) - 17.77$

MSI = $\text{m}^2 \div 0.645$

Labels Direct, Inc.

664 Trade Center Blvd.
Chesterfield, MO 63005
Phone Support: 636-458-5156
Toll Free Support: 800-458-5110
Fax: 636-458-5693

The information on this data sheet was obtained in our laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.

Visit us at
www.labelsdirect.com



LABELS DIRECT