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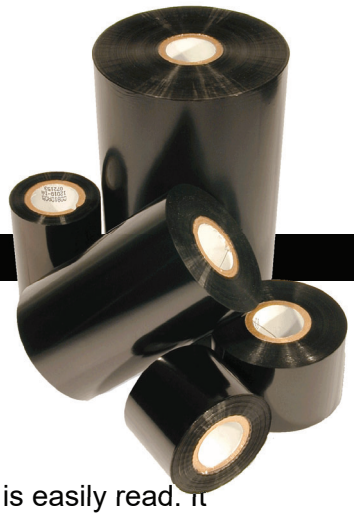
Thermal Transfer Ribbon Technical Data Sheet

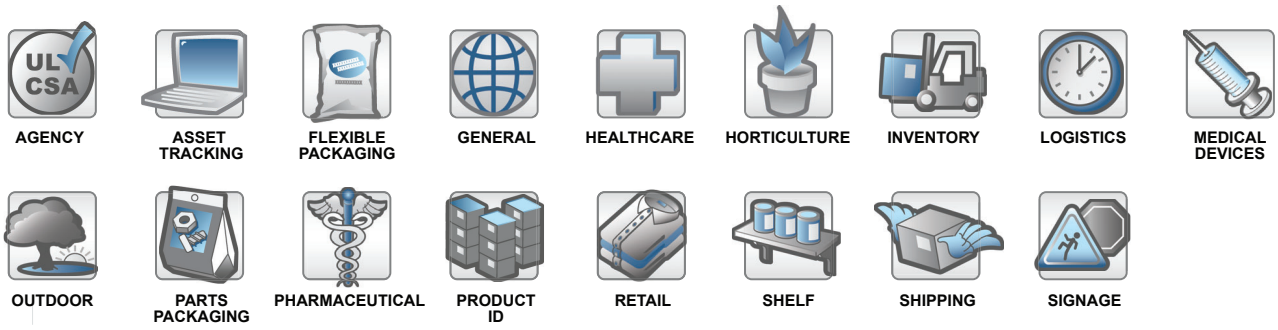


MP Mid Wax/Resin

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 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

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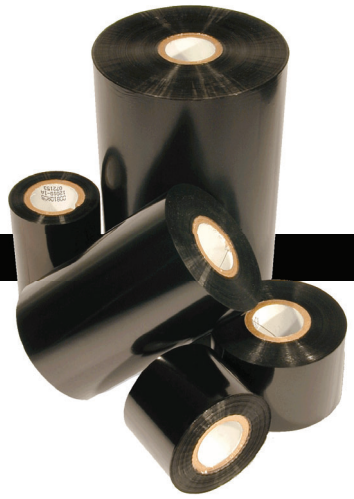

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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	7.6 ± 0.3µ	Micrometer
Base Film Thickness	4.5 ± 0.3µ	Micrometer
Ink Thickness	3.1 ± 0.2µ	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 = mm ÷ 25.4	Inches to Millimeters (mm) = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C˚ to F˚ = (1.8 X C˚) + 32 = F˚	F˚ to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m^2 = MSI X 0.645	MSI = m^2 ÷ 0.645

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.

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