



Thermal Transfer Ribbon Technical Data Sheet

Half Inch Wax

Product Description

Half Inch Wax ribbon is formulated specifically to function within the temperature and speed range of 1/2" printers while providing uniform coverage on a variety of substrates. Half Inch Wax also incorporates technology designed to control and dissipate static charges and a backcoat proven to protect your printhead. In addition, our halogen-free Half Inch Wax is coated and converted with pride in the USA.

Recommended Applications



GENERAL



INVENTORY



LOGISTICS



PARTS
PACKAGING



PRODUCT ID



RETAIL



RFID



SHELF



SHIPPING



SIGNAGE

Recommended Substrates

Coated/uncoated paper & tag stocks

Performance Characteristics

- Designed to provide excellent performance in everyday applications on the most commonly used substrates; including coated and uncoated paper and tags
- Good smudge and scratch resistance
- Capable of print speeds up to 6 IPS
- Dark glossy printed image
- Halogen-free

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Ribbon Properties

| Description | Result | Test Method |
|---------------------|---------------------|-----------------------------------|
| Ink | Wax | |
| Color | Black | Visual |
| Total Thickness | 7.6 ± 0.5μ | Micrometer |
| Base Film Thickness | 4.8 ± 0.3μ | Micrometer |
| Ink Thickness | 2.8 ± 0.3μ | Micrometer |
| Ink Melting Point | 71°C (160°F) ± 1/2° | Differential Scanning Calorimeter |

Durability of Printed Image

Label Stock: Coated Paper

Print Speed: 6 IPS

| Description | Result | Test Method |
|--------------------|--------|--|
| Print Density | > 1.60 | 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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