



Thermal Transfer Ribbon Technical Data Sheet

TRX-55 Premium Wax/Resin

Product Description

This premium wax/resin formulation is designed to print on a wide variety of receiving materials, including coated and uncoated paper labels and tags, varnished label stock, and films. TRX-55 offers excellent bar code scanning with sharp, reliable images at a wide variety of printing speeds. TRX-55 is an extremely versatile all-purpose wax/resin that will out-perform other ribbons in extreme environments. Powerful resistance against smearing and chemicals makes TRX-55 a perfect choice for your demanding environments.

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
- UL recognized

The information on this data sheet was obtained in DNP IMS America 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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800-289-9932**



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Ribbon Properties

| Description | Result | Test Method |
|---------------------|--------------|-----------------------------------|
| Ink | Wax/Resin | |
| Color | Black | Visual |
| Total Thickness | 8.8 ± 0.5µ | Micrometer |
| Base Film Thickness | 4.8 ± 0.3µ | Micrometer |
| Ink Thickness | 4.0 ± 0.2µ | Micrometer |
| Ink Melting Point | 87°C (189°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 |

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