



## 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



AGENCY



ASSET TRACKING



AUTOMOTIVE



FLEXIBLE PACKAGING



GENERAL



HEALTHCARE



HORTICULTURE



INVENTORY



LOGISTICS



MEDICAL DEVICES



OUTDOOR



PARTS PACKAGING



PHARMACEUTICAL



PRODUCT ID



RETAIL



SHELF



SHIPPING



SIGNAGE



TEXTILE

#### 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

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#### Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	$8.8 \pm 0.5\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer
Ink Thickness	$4.0 \pm 0.2\mu$	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 = $\text{mm} \div 25.4$	Inches to Millimeters (mm) = $\text{Inches} \div 0.03937$
Meters (m) to Feet (ft) = $\text{m} \div 0.3048$	Feet (ft) to Meters (m) = $\text{Feet} \div 3.2808$
C° to F° = $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$	F° to C° = $(\text{F}^\circ \div 1.8) - 17.77$
Thousand square inches (MSI) to m² = $\text{MSI} \times 0.645$	MSI = $\text{m}^2 \div 0.645$

The information on this data sheet was obtained in DNP 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.dnpribbons.com](http://www.dnpribbons.com)

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PAYMENTS



## About us

- Legacy Technology Services is a leading nationwide provider of mobile computing, barcode, printers and point of sale equipment and services.
- For over a decade, thousands of clients across North America have trusted us to provide equipment from leading manufacturers backed by the services to support them.

## Latest Hardware from top manufacturers

- Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

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- Legacy is one of the best repair facilities in North America

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  - Hardware disposal
  - Auditing services

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