



Thermal Transfer Ribbon Technical Data Sheet

TRX-50 General Purpose Wax/Resin

Product Description

TRX-50 features a SmoothCoat® backcoat and is the only wax/resin ribbon on the market backed by a 4 Million Linear Inch Guarantee. TRX-50 has a unique ink formulation that dissipates static and is a versatile and durable wax/resin ribbon that has superior print quality on low-end synthetics. TRX-50 prints at low temperatures and high speeds and has unbeatable edge definition with the darkest images possible from a general purpose ribbon.

Recommended Applications



ASSET
TRACKING



AUTOMOTIVE



FLEXIBLE
PACKAGING



GENERAL



HEALTHCARE



HORTICULTURE



INVENTORY



LOGISTICS



MEDICAL
DEVICES



OUTDOOR



PARTS
PACKAGING



PHARMACEUTICAL



PRODUCT ID



RETAIL



RFID



SHELF



SHIPPING



SIGNAGE

Recommended Substrates

Gloss paper, polypropylene, top-coated vinyl, polyethylene, polystyrene, coated/uncoated Valeron®, polyolefin, coated/uncoated V-max®, Tyvek®, Tyvek Brillion®

Performance Characteristics

- Halogen-Free
- Backed by our 4 Million Linear Inch Guarantee
- Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- Features a SmoothCoat® backcoat
- Anti-static for easy handling and extended printhead life
- Superior print quality on low-end synthetics
- Industry leading edge definition for clean, durable, and dense bar codes

Visit us at www.dnpribbons.com

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Global Locations
USA
Japan
Europe
Asia



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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	$8.1 \pm 0.5\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer
Ink Thickness	$3.3 \pm 0.2\mu$	Micrometer
Ink Melting Point	85°C (185°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Polypropylene

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.80	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 m ² = $\text{MSI} \times 0.645$	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.



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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.

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- 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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- They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

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- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
 - Data destruction
 - Hardware disposal
 - Auditing services

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- Dedicated, highly trained account managers are here to answer all your questions and provide top notch service.

Equipment rental services

- Sometimes renting is a better solution, Legacy's huge rental inventory provides the equipment you need for temporary needs and projects.



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