Thermal Transfer Ribbons

TECHNICAL DATA SHEET

LABELS DIRECT

TRX-50 General Purpose Wax/Resin

PRODUCT DESCRIPTION

TRX-50 features DNP's SmoothCoat® backcoat and is the only wax/resin ribbon on the market backed by a 4 Million Linear Inch Guarantee. Versatile and durable, this wax/resin provides superior print quality on low-end synthetics, and its unique ink formulation dissipates static. 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 SUBSTRATES

Gloss paper, polpropylene, 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

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

TRX-50 General Purpose Wax/Resin

RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	7.8 ± 0.5µ	Micrometer
Base Film Thickness	4.5 ± 0.3µ	Micrometer
Ink Thickness	3.3 ± 0.2µ	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 = mm ÷ 25.4

Meters (m) to Feet (ft) = m ÷ 0.3048

C° to F° = (1.8 X C°) + 32 = F°

Thousand square inches (MSI) to m² = MSI X 0.645

Inches to Millimeters (mm) = Inches ÷ 0.03937

Feet (ft) to Meters (m) = Feet ÷ 3.2808

F° to C° = (F° ÷ 1.8) - 17.77

MSI = m² ÷ 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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