TRX-50

DNP

General Purpose Wax/Resin

Featuring DNP's SmoothCoat™ backcoat, TRX-50 is a versatile and durable wax/resin ribbon. TRX-50 prints at low temperatures and high speeds while providing the darkest image possible from a general-purpose ribbon. Gain mid-range business with this superior product at an attractive price.

Specific Features

- Backed by our Four-Million-Linear-Inch Guarantee
- Prints at high speeds
- Prints at high resolutions
- Dissipates and prevents static build-up
- Prints clean & crisp rotated bar codes
- Features DNP's SmoothCoat™ backcoat

Recommended Applications

Retail tags, shelf labels, horticulture labels, warning labels, drum labels, direct package printing (poly-bags) and machinery part labels

Direct Package Printing
Scratch and smudge resistance make DNP's ribbons ideal for direct printing on flexible packaging.

Outdoor Tags
DNP's ribbons are durable on labels and tags used to track plants, trees, and lumber from harvest to retail sales.

Shelf Labels
Clear, crisp DNP printed images are easily seen and read in retail applications.

Retail Package Printing
DNP's high-quality images make point-of-purchase thermal transfer printing possible.

NSF
Registered to ISO 9001

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Ribbon Property

Description	Specification	Measurement Method
Ink Material	Wax/Resin	—
Total Thickness (µm)	8.0 ± 0.6	Micrometer
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer
Ink Thickness (µm)	3.0 ± 0.4	Micrometer
Ribbon Transmission Density	>1.6	Densitometer
Print Density	>1.8	Densitometer

Durability of Printed Image

Label Stock: Polypropylene	
Print Speed: 6 IPS	Print Density: 2.00
Smudge Resistance: ANSI A[1]	Scratch Resistance: ANSI A[1]
Test Equipment: Colorfastness Tester	
Conditions: Smudge Test: 50 cycles @ 500 grams with cotton cloth	
Scratch Test: 20 cycles @ 200 grams with stainless steel pointed tip	

[1]Represents the American National Standards Institute (ANSI) Grade measured at the given conditions. Grade levels are 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 mm = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet to Meters = Feet ÷ 3.2808
C° to F° = (1.8 x C°) + 32 = F°	F° to C° = (F°÷1.8) -17.77 = C°
Thousand square inches (MSI) to m^2 = msi x 0.645	MSI = m^2 ÷ 0.645

Recommended Applications

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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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