TR4085*plus*™

DNP

Resin Enhanced Wax

Featuring DNP's SmoothCoat™ backcoat, TR4085plus™ provides unparalleled printhead protection, while delivering the darkest, most durable images. In addition, TR4085plus™ prints on a wide range of substrates at temperatures consistent with those used for TR4085.

Specific Features

- Features DNP's SmoothCoat™ backcoat
- Delivers darker images
- Prints on a wider variety of substrates from uncoated papers to mid-range synthetic films
- Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- Dissipates static
- Images at the same or lower print temperatures as TR4085
- Superior print quality on flood-coated labels
- Enhanced smudge and scratch resistance

Recommended Applications

Shipping labels, retail tags, ingredient labels, general ticketing, shelf labels, horticulture labels, warning labels, drum labels, polybags and machinery part labels

Shipping Labels
DNP's ribbons deliver crisp rotated bar codes on coated and uncoated tag and label stocks.

Retail Tags
DNP's ribbons will not stain fabrics when steamed, ironed or stored for extended periods of time.

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

Storage Labels
DNP's ribbons offer cost-effective solutions on a wide variety of substrates.

NSF
Registered to ISO 9001

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Resin Enhanced Wax

Ribbon Property

Description	Specification	Measurement Method
Ink Material	Resin enhanced wax	—
Total Thickness (µm)	7.9 ± 0.5	Micrometer
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer
Ink Thickness (µm)	2.8 ± 0.3	Micrometer
Ribbon Transmission Density	>1.45	Densitometer
Print Density	>1.70	Densitometer

Durability of Printed Image

Label Stock: Coated paper	
Print Speed: 6 IPS	Print Density: 1.79
Smudge Resistance: ANSI A1	Scratch Resistance: ANSI A1
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

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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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