DNP TR6080plus

Thermal Transfer Ribbon Technical Data Sheet

TR6080plus Premium Performance Wax/Resin

Product Description

TR6080plus is an enhanced ribbon that prints on a variety of substrates ranging from label stocks to coated and gloss paper. This wax/resin ribbon provides excellent abrasion and solvent resistance, anti-static characteristics for easy handling, and prints dark, dense images providing improved scan rates.

Recommended Applications



Recommended Substrates

Gloss paper, polpropylene, top-coated vinyl, polyethylene, coated/uncoated tags, coated/uncoated papers

Performance Characteristics

- Excellent abrasion and scratch resistance
- Prints on a wide variety of substrates from label stocks to coated and gloss paper
- Prints at high speeds (up to 12 IPS)
- Halogen-free
- High performance backcoat protects the printhead
- Unbeatable Edge Definition™ for dark, dense images and improved scan rates

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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DNP Global Locations
USA
Japan
Netherlands
Singapore

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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	7.6 ± 0.5µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	2.8 ± 0.2µ	Micrometer
Ink Melting Point	83°C (181°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	Inches to Millimeters (mm) = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C˚ to F˚ = (1.8 X C˚) + 32 = F˚	F˚ to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m^2 = MSI X 0.645	MSI = m^2 ÷ 0.645

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