DNP Technical Data Sheet

TR5080 Specialty Wax/Resin

Product Description

TR5080 is specifically developed to cover the widest possible range of flood coated label applications. It performs well on the various inks used on spot-coated and flood-coated labels, eliminating the tendency for the label to slip during the printing process. TR5080 eliminates the need for the use of thermal transfer varnishes on flood-coated labels, thereby reducing the total label cost. This specialty wax/resin ribbon features DNP's SmoothCoat™ backcoat and our exclusive anti-static properties for easier handling and extra printhead protection.

Recommended Applications


Inventory & Logistics


Outdoor


Pharmaceutical


Retail

Recommended Substrates

Paper	Coated/uncoated paper & tag stocks
	Synthetic paper
Economy Synthetics	Polypropylene
	Top-coated vinyl
	Polyethylene
	Polyolefin
	Valeron®
Specialty Mateials	Tyvek®
	Tyvek Brillion®
	Teslin®
	AlphaMAX®

Performance Characteristics

- ► Ideal for printing on spot-coated and flood-coated labels
- ► Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- ► Features DNP's SmoothCoat™ backcoat
- ► Eliminates the cost of special varnishes
- ► Prints at high resolutions (400 dpi+)
- ► Unbeatable edge definition for dark, dense images and improved scan rates
- ► Anti-static for easy handling and extended printhead life

for more info!

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Ribbon Properties

Description	Result	Test Method
Ink	Wax (resin-enhanced)	
Color	Black	Visual
Total Thickness	8.0 ± 0.5µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	3.2 ± 0.2µ	Micrometer
Ink Melting Point	75°C (167°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Coated Paper 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

OHSAS 18001 ISO 9001 ISO 14001 REACH COMPLIANCE RoHS2 COMPLIANT PRODUCT SAFETY ISEGA WITH LETTER AND SEAL UL

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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