

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 Materials	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	
Color	Black	Visual
Total Thickness	8.0 ± 0.5μ	Micrometer
Base Film Thickness	4.8 ± 0.3μ	Micrometer

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 = $mm \div 25.4$	Inches to Millimeters (mm) = $Inches \div 0.03937$
Meters (m) to Feet (ft) = $m \div 0.3048$	Feet (ft) to Meters (m) = $Feet \div 3.2808$
$C^{\circ} \text{ to } F^{\circ} = (1.8 \times C^{\circ}) + 32 = F^{\circ}$	$F^{\circ} \text{ to } C^{\circ} = (F^{\circ} \div 1.8) - 17.77$
Thousand square inches (MSI) to $m^2 = MSI \times 0.645$	$MSI = m^2 \div 0.645$



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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