

# TR5080

# DNP

S p e c i a l t y W a x / R e s i n



TR5080 was 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 of 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. TR5080 prints up to 12 inches per second with complete image integrity.

## Specific Features

- Ideal for printing on spot-coated and flood-coated labels
- Prints dark, crisp images at speeds up to 12 IPS
- Eliminates the cost of special varnishes
- Prints at high resolution (400 dpi+)
- Dissipates static
- Features DNP's SmoothCoat™ backcoat

## Recommended Applications

Shelf labels, point-of-purchase labels, warning labels, inventory tracking labels, color for size labels, blood bags, retail tags, horticulture labels.



### Shelf Labeling

Clear, crisp thermal transfer printed images are easily seen and read in retail applications.



### Point-of-Purchase Tags

High-quality DNP printed images are ideal for color tags and labels.



### Warning Labels

TR5080 allows thermal transfer printing on colorful warning labels and signs that get noticed.



### Inventory Tracking

The use of various colored labels makes inventory tracking faster and easier.



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ISO 9001

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# TR5080

Premium Wax / Resin

Ribbon Property		
Description	Specification	Measurement Method
Ink Material	Wax/Resin	—
Total Thickness (µm)	8.0 ± 0.4	Micrometer
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer
Ink Thickness (µm)	2.9 ± 0.2	Micrometer
Ribbon Transmission Density	> 1.45	Densitometer
Print Density	> 1.8	Densitometer

Durability of Printed Image	
Label Stock: Flood Coated Paper	
Print Speed: 6 IPS	Print Density: 1.90
Smudge Resistance: ANSI A <sup>1</sup>	Scratch Resistance: ANSI A <sup>1</sup>
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	
<sup>1</sup> Represents the American National Standard 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 = $\text{mm} \div 25.4$	Inches to mm = $\text{Inches} \div 0.03937$
Meters (m) to Feet (ft) = $\text{m} \div 0.3048$	Feet to Meters = $\text{Feet} \div 3.2808$
C° to F° = $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$	F° to C° = $(\text{F}^\circ \div 1.8) - 17.77 = \text{C}^\circ$
Thousand square inches (MSI) to m <sup>2</sup> = $\text{msi} \times 0.645$	MSI = $\text{m}^2 \div 0.645$

Recommended Applications
Shelf labels, point-of-purchase labels, warning labels, inventory tracking labels, color for size labels, blood bags, retail tags, horticulture labels.

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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 5080 7/08