

TR6080 High Performance Wax/Resin

Product Description

TR6080 is a versatile ribbon that prints on a wide variety of substrates. It provides superior scratch and smudge resistance on paper and synthetic substrates and provides durability comparable to resin ribbons on select labels.

Recommended Applications



Automotive



Health & Beauty



Inventory & Logistics



Outdoor



Pharmaceutical



Retail

Recommended Substrates

Paper	Gloss paper
Economy Synthetics	Polypropylene
	Top-coated vinyl
	Polyethylene
	Polystyrene
	Polyolefin
Specialty Materials	Coated/uncoated Valeron®
	Tyvek®
	Tyvek Brillion®
	Coated/uncoated V-max®

Performance Characteristics

- ▶ Prints on a wide variety of substrates from rough label stocks to high-gloss paper
- ▶ Prints at high speeds (up to 12 IPS)
- ▶ Enhanced smudge and scratch resistance
- ▶ High performance backcoat protects the printhead
- ▶ Unbeatable edge definition for dark, dense images and improved scan rates
- ▶ Excellent durability



for more info!

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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	8.2 ± 0.5µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	3.4 ± 0.2µ	Micrometer
Ink Melting Point	75°C (167°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Fasson 1C

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.80	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 50 cycles of 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 20 cycles of 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 × 25.4
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet × 0.3048
C° to F° = (1.8 X C°) + 32 = F°	F° to C° = (F° - 32) ÷ 1.8 = C°
Thousand square inches (MSI) to m ² = MSI X 0.645	m ² to MSI = m ² ÷ 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.