DNP

TR6080

Thermal Transfer Ribbon Technical Data Sheet

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

Recommended Substrates

Gloss paper, polpropylene, top-coated vinyl, polyethylene, polystyrene, coated/uncoated Valeron®, polyolefin, coated/uncoated V-max®, Tyvek®, Tyvek Brillion®

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

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Global Locations
USA
Japan
Europe
Asia

DNP

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THE POWER OF ONE™

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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	8.6 ± 0.6µ	Micrometer
Base Film Thickness	4.8 ± 0.4µ	Micrometer
Ink Thickness	2.7 ± 0.3µ	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 @ 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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LLOYD'S REGISTER QUALITY ASSURANCE · ISO14001 · MGMT. SYS. RvA C 441

LLOYD'S REGISTER QUALITY ASSURANCE · OHSAS 18001

REACH COMPLIANCE

RoHS

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

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