



Thermal Transfer Ribbon technical Data Sheet

M265 Ultra Durable Wax/Resin

Product Description

M265 offers unique combination of printability and resistance: it prints like wax/resin but provides resistance similar to resin performances. It is unbeatable for applications where high resistance is needed but resins are limited in terms of print sensitivity or high speed adaptability.

M265 prints up to 12 IPS with standard anti-static and backcoat properties, and also prints on varnished or pre-printed labels.

Recommended Applications



AUTOMOTIVE



ASSET TRACKING



EXTREME
ENVIRONMENT



FLEXIBLE
PACKAGING



HORTICULTURE



HEALTHCARE



MEDICAL
DEVICES



PHARMACEUTICAL



SHRINKWRAP



OUTDOOR



PARTS
PACKAGING



SIGNAGE

Recommended Substrates

Glossy papers, varnished or preprinted labels, polypropylene, polyethylene, polyolefin, polyester

Performance Characteristics

- The toughest wax/resin ribbon on the market
- Extreme abrasion resistance
- Extreme temperature resistance
- Combines the print sensitivity of wax/resin with resistance similar to resin's
- Prints up to 12IPS
- DNP's specially formulated backcoating for printhead protection

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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DNP Global Locations

USA

Japan

Netherlands

Singapore



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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	6.2 ± 0.6μ	Micrometer
Base Film Thickness	4.5 ± 0.5μ	Micrometer
Ink Thickness	1.6 ± 0.5μ	Micrometer
Ink Melting Point	84°C (183°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Fasson®Trans-Therm® 1C

Print Speed: 2-12 IPS

Description	Result	Test Method
Print Density	> 1.50	Densitometer
Abrasion Resistance Test		100 Cycles @ 900g covered with cloth*
	Water	1000 Cycles @ 248g covered with cloth*
Solvent Resistance Test	IPA	70 Cycles @ 248g covered with cloth*

*Highest number of cycles where ANSI grade A can still be scanned.

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: °F = (1.8 X °C) + 32	°F to °C: °C = (°F ÷ 1.8) - 17.77
Thousand square inches (MSI) to m² = MSI X 0.645	MSI = m² ÷ 0.645

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