# DNP **Technical Data Sheet**

M265   Ultra Durable Wax/Resin

Product Description

M265 offers a 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   Electronics   Food & Beverage   Health & Beauty   Outdoor   Pharmaceutical
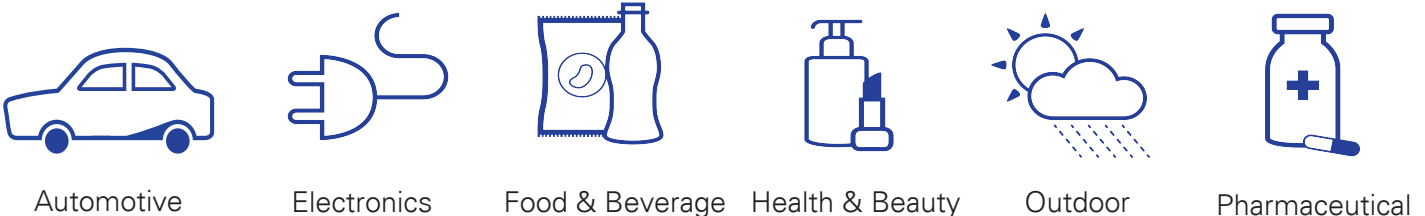
Recommended Substrates

Paper	
Glossy papers	●●●
Varnished labels	●●○
Preprinted labels	●●○

Synthetics	
PP	●●●
PE	●●●
PES	●●●

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 resins
► Prints up to 12 IPS
► DNP's specially formulated backcoating for printhead protection

Learn more!

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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 of 900g covered with cloth*
Solvent Resitance Test	Water	1000 Cycles of 248g covered with cloth*
	IPA	70 Cycles of 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

Compliance Certifications

✓ ISO   ✓ REACH   ✓ RoHS   ✓ ISEGA

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.