DNP Technical Data Sheet

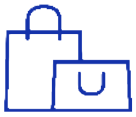
HL Wax Standard Wax

Product Description

Specially formulated to print at a wide range of energy and speed settings, HL wax provides an economical solution for everyday Thermal Transfer printing. This wax ribbon features a blend of ingredients that are combined in an ink that prints dark images and crisp, clean barcodes.

Recommended Applications

Inventory & Logistics



Retail

Food & Beverage

Recommended Substrates

Paper	Coated paper
	Coated tag
	Uncoated paper
	Uncoated tag
	Gloss paper
	Vellum

Performance Characteristics

- Halogen-free
- High-density
- High-speed
- Scratch Resistant
- Smudge Resistant

for more info!

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Ribbon Properties

Description	Result	Test Method
Ink	Wax	
Color	Black	Visual
Total Thickness	7.2 ± 0.4µm	Micrometer
Base Film Thickness	4.5 ± 0.3µm	Micrometer
Ink Thickness	2.7 ± 0.3µm	Micrometer
Ink Transfer Temperature	Uncoated tag 68°C (154°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: UPM Raflatac RAFLAGLOS Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 2.76	Densitometer
Smudge Resistance	2.7*	Colour fastness tester – 20 cycles @ 500 grams with cotton cloth
Scratch Resistance	3.1*	Colour fastness tester – 20 cycles @ 200 grams with stainless steel pointed tip

* Tested against the ISO/IEC 15416 standard with a gradation of 0.0 up to and including 4.0. Where the minimum accepted value is 1.5.

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

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.

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