



Thermal Transfer Ribbon Technical Data Sheet

PEAK PERFORMANCE PREMIUM

Product Description

PEAK Performance Premium prints on a broad range of label stocks, providing abrasion resistance and print sensitivity. This ribbon is perfect for printing long lasting images on coated tags, uncoated tags, and glossy print media. Performance Premium is designed with PEAK's specially formulated backcoat technology for printhead protection as well as exclusive anti-static properties for easier handling and extra printhead protection. Printing at speeds up to 12 IPS, this ribbon utilizes less print energy than competing wax/resin ribbons.

Recommended Applications



ASSET TRACKING



FLEXIBLE PACKAGING



GENERAL



HEALTHCARE



HORTICULTURE



INVENTORY



LOGISTICS



MEDICAL DEVICES



OUTDOOR



PARTS PACKAGING



PHARMACEUTICAL



PRODUCT ID



RETAIL



SHELF



SHIPPING



SIGNAGE



TEXTILE

Recommended Substrates

Coated/uncoated paper, synthetic paper, polypropylene, polyethylene, polyolefin, Kimdura®, Valeron®, Polyart®

Performance Characteristics

- Halogen-Free
- Extensive label adaptability expanding application options
- Remarkably low print energy used to create high quality bar codes
- Abrasion and solvent resistant
- High speed printing up to 12 IPS
- Specially formulated backcoating for printhead protection

Visit us at www.peaktech.com

PEAK Technologies is the leading systems integrator of bar code based data collection and printing systems, wireless transaction processing and, mobile solutions supported by a wide range of consumables, maintenance, and service options.

PEAK Technologies, Inc.
10330 Old Columbia Road
Columbia, MD 21046
TEL: 888.275.7325 (888-ASK-PEAK)



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Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	7.4 ± 0.5μ	Micrometer
Base Film Thickness	4.8 ± 0.3μ	Micrometer
Ink Thickness	2.6 ± 0.2μ	Micrometer
Ink Melting Point	73°C (163°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Polypropylene

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.60	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 = MIS X 0.645	MSI = m ² ÷ 0.645

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