



## Thermal Transfer Ribbon Technical Data Sheet

# PEAK PERFORMANCE ULTRA PREMIUM

### Product Description

PEAK has the most elite resin ribbon offering in the industry. Performance Ultra Premium's extensive label adaptability and high print speed capability makes it the most diverse resin of its kind. It outperforms the competition in abrasion and solvent resistance, uses less print energy and is designed with PEAK's standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all of PEAK's ribbons, Ultra Premium produces dark, dense images for improved scan rates.

### Recommended Applications



AGENCY



ASSET TRACKING



AUTOMOTIVE



CHEMICAL DRUM



ELECTRONIC COMPONENT



EXTREME ENVIRONMENT



FLEXIBLE PACKAGING



HAZARDOUS



OUTDOOR



PHARMACEUTICAL



PRODUCT ID



RFID



SECURITY



SHELF

### Recommended Substrates

Polypropylene, polyethylene, polyolefin, vinyl, polyester

### Performance Characteristics

- Excellent print quality at high speeds using less print energy
- Extreme durability and solvent resistance
- Extensive label adaptability expanding application options
- UL recognized/CSA approved
- Unbeatable for dark, dense images and improved scan rates
- Specially formulated backcoating for printhead protection
- Anti-static for easy handling and extended printhead life

Visit us at [www.peaktech.com](http://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.

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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	Resin	
Color	Black	Visual
Total Thickness	6.0 ± 0.5μ	Micrometer
Base Film Thickness	4.8 ± 0.3μ	Micrometer
Ink Thickness	1.2 ± 0.2μ	Micrometer
Ink Melting Point	86°C (187°F)	Differential Scanning Calorimeter

### Durability of Printed Image

Label Stock: Top-coated Polyester

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.80	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 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 <sup>2</sup> = MSI X 0.645	MSI = m <sup>2</sup> ÷ 0.645

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