



# Thermal Transfer Ribbon Technical Data Sheet



## Peak-Ryzex Performance Ultra Extreme

### Product Description

Our Performance Ultra Extreme ribbon has no substitute — it is the toughest resin ribbon on the market. It is the only resin ribbon capable of handling extreme environmental labeling with our unmatched scratch and solvent resistance. Designed with our standard anti-static and backcoat properties to protect the printhead, Performance Ultra Extreme is unbeatable for crisp, extremely durable, and dense harsh environmental bar codes.

### Performance Characteristics

- Toughest resin ribbon on the market
- Unmatched in abrasion and solvent resistance
- UL recognized & CSA approved
- High density printing ensuring dark, durable images
- Anti-static for easy handling and extended printhead life
- Also available in white and silver
- Specially formulated backcoating for printhead protection

### Recommended Applications



AGENCY



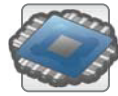
ASSET TRACKING



AUTOMOTIVE



CHEMICAL DRUM



CIRCUIT BOARD



ELECTRONIC COMPONENTS



EXTREME ENVIRONMENT



HAZARDOUS



HEALTHCARE



OUTDOOR



PRODUCT ID



SECURITY

### Recommended Substrates

Top-coated vinyl, polyimide, polyesters, PVC cards, PET cards

## Contact Us

Our customer call center is available 24 hours a day, 7 days a week for customer service requests

### To place a service call:

☎ 1-888-275-7325

✉ [service@peak-ryzex.com](mailto:service@peak-ryzex.com)

# Peak-Ryzex Performance Ultra Extreme

## Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	7.5 ± 0.5μ	Micrometer
Base Film Thickness	4.8 ± 0.3μ	Micrometer
Ink Thickness	2.7 ± 0.2μ	Micrometer
Ink Melting Point	109°C (228°F)	Differential Scanning Calorimeter

## Durability of Printed Image

Label Stock: Top-coated Polyester

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.90	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 × 25.4
Meters (m) to Feet (ft) = m × 3.2808	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to F° = (1.8 X C°) + 32 = F°	F° to C° = (F° - 32) ÷ 1.8 = C°
Thousand square inches (MSI) to m <sup>2</sup> = MSI × 0.645	m <sup>2</sup> to MSI = m <sup>2</sup> ÷ 0.645

**PEAK-RYZEX™**

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