



Thermal Transfer Ribbon Technical Data Sheet



Peak-Ryzex Performance Premium

Product Description

Peak-Ryzex 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-Ryzex'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.

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

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®

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

Peak-Ryzex Performance Premium

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: Top-coated Polyester

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 = $\text{mm} \div 25.4$ | Inches to Millimeters (mm) = $\text{Inches} \div 0.03937$ |
| Meters (m) to Feet (ft) = $\text{m} \div 0.3048$ | Feet (ft) to Meters (m) = $\text{Feet} \div 3.2808$ |
| C° to F° = $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$ | F° to C° = $(\text{F}^\circ \div 1.8) - 17.77$ |
| Thousand square inches (MSI) to m ² = $\text{MSI} \times 0.645$ | m ² to MSI = $\text{m}^2 \div 0.645$ |

PEAK-RYZEX™

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