

## 4800 Performance Resin

# Thermal Transfer Ribbon

### Description

A high-quality resin ribbon that offers exceptional abrasion and solvent resistance on a wide variety of substrates, while still providing excellent edge definition. This ribbon is an excellent choice for printing dense barcodes and high-resolution graphics, and will even print on some Zebra topcoated paper labels.

Its unique resin base provides excellent resistance to outdoor elements and many chemical solvents.

UL Recognised and CSA Accepting Printing Systems with the following label materials:

- Z-Ultimate<sup>®</sup> 3000T White
- Z-Ultimate<sup>®</sup> 3000T Silver
- Z-Xtreme<sup>™</sup> 4000T White
- Z-Xtreme<sup>™</sup> 4000T Silver
- Z-Xtreme<sup>™</sup> 4000T White High-Tack
- Z-Ultimate<sup>®</sup> 3000T Yellow



### Suggested Applications

- Labels exposed to heat, steam, solvents, abrasion and friction
- Labels exposed to harsh outdoor environments
- Steel mill tags
- Automotive labels
- Industrial rating plates

### Technical Specifications

|                       | Description                               |
|-----------------------|---|
| Colour                | Black                                     |
| Ink Formulation       | Resin                                     |
| Base Film             | Polyester                                 |
| Base Film Caliper     | 4.5 microns                               |
| Scanning Capabilities | IR and Visible Light                      |
| Ribbon Length         | 450 metres                                |
| Stocked Widths (mm)   | 40, 60, 80, 89, 110, 131, 156, 174, 220mm |

Recommended Storage Conditions: 23°F to 104°F (-5°C to 40°C) at 20% to 80% RH



## 4800 Bar Code Scannability

The below scannability testing was performed on 140XIII, 90XIII, 170XIII, 105SL, and Z4Mplus.

| Label Facestock              | Print Speed       | Bar Code                 | Lab Results          |
|------------------------------|-------------------|--------------------------|----------------------|
| Coated Paper Labels and Tags | Up to 152.4mm/sec | 10 or 12 mil normal code | Typical ANSI Grade A |
| Synthetics                   | Up to 152.4mm/sec | 10 or 12 mil normal code | Typical ANSI Grade A |
| Coated Paper Labels and Tags | Up to 101.6mm/sec | 15 mil rotated code      | Typical ANSI Grade C |
| Synthetics                   | Up to 101.6mm/sec | 15 mil rotated code      | Typical ANSI Grade B |

## Performance Analysis

All of the below tests were performed on Z-Xtreme™ 4000T White using 10 cycles (20 rubs) with the crockmeter.

| Test Solvents                   | Zebra 4800 |
|---------------------------------|------------|
| Glass Cleaner w/Ammonia         | ✓          |
| Formula 409*                    | ✓          |
| Skydrol*                        |            |
| Motor Oil                       | ✓          |
| Brake Fluid                     | X          |
| Gunk Degreaser*                 | ✓          |
| WD-40*                          | ✓          |
| Genesolv*                       |            |
| Rho-Tron*                       |            |
| Hexane                          | ✓          |
| Xylene                          |            |
| Gasoline                        | X          |
| Acetone                         |            |
| Alcohol (90% Isopropyl Alcohol) | ✓          |

\*Trademarks of the respective companies.

- ✓ Scanning receives a "B" ANSI grade or better
- X Scanning receives a "F" ANSI grade or better
- Barcode does not scan



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Note: All products should be pre-tested to ensure they meet all intended requirements of specific end-use applications.

For testing of this product, please order sample ribbon **4800BK08005**.

For a full, up-to-date list of available widths, please contact your authorized Zebra reseller.

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