

# 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 High-Tack
- Z-Xtreme<sup>™</sup> 4000T Silver High-Tack
- Z-Xtreme<sup>™</sup> 4000T White
- Z-Ultimate<sup>®</sup> 3000T Yellow (UL only)



### 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

4800 Resin	
Colour	Black
Ink Formulation	Resin
Base Film	Polyester
Base Film Caliper	4.5 microns
Scanning Capabilities	IR and Visible Light
Ribbon Length	450 metres (1476 feet)
Stocked Widths	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 140X/III, 90X/III, 170X/III, 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

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.

