

4800 Performance Resin

Ribbon	Ribbon Type		Compatible Material	Print Speed	Temperature Resistance	Smear/Scratch Resistance	Chemical Resistance
2300	Wax	Standard	Uncoated/Coated Paper	██████████	██████████	██████████	██████████
2100	Wax	High-Performance	Uncoated/Coated Paper	██████████	██████████	██████████	██████████
3400	Wax/Resin	High-Performance	Uncoated/Coated Paper Matte Synthetics	██████████	██████████	██████████	██████████
3200	Wax/Resin	Premium	Uncoated/Coated Paper Matte Synthetics	██████████	██████████	██████████	██████████
4800	Resin	Performance	Matte/Gloss Synthetics	██████████	██████████	██████████	██████████
5095	Resin	High-Performance	Matte/Gloss Synthetics	██████████	██████████	██████████	██████████
5100	Resin	Premium	Matte/Gloss Synthetics	██████████	██████████	██████████	██████████
Image Lock™	Resin	Specialist	Z-Xtreme™ 5000T	██████████	██████████	██████████	██████████

Additional Features

- High quality resin ribbon for use on matte and gloss synthetics, and on selected Zebra topcoated paper labels and tags
- Produces excellent dense barcodes and high-resolution graphics
- Excellent chemical resistance and performance in most harsh environments
- Excellent smear and scratch resistance on both matte and gloss synthetics

Suggested Applications

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

UL Recognised

UL approved for use with the following materials:

- Z-Ultimate® 3000T White
- Z-Ultimate® 3000T Silver
- Z-Xtreme™ 4000T White
- Z-Xtreme™ 4000T White High-Tack
- Z-Xtreme™ 4000T Silver High-Tack
- Z-Ultimate® 2500T White
- Z-Ultimate® 3000T Yellow
- Z-Ultimate® 3000T High-Tack



Technical Specifications

	Description
Colour	Black
Base Film	Polyester
Base Film Caliper	4.5 microns
Total Caliper	9 microns ±10%
Scanning Capabilities	IR and Visible Light

Ribbon Compliance

Compliance	4800
REACH/ Substances of Very High Concern (SVHC)	✓
RoHS	✓
Dodd-Frank Act (Conflict Minerals)	✓
Toxic Substances Control Act of 1976	✓
Carcinogenic, Mutagenic and Reprotoxic, or Substances Toxic Substances 1976/769/ EC	✓
California Proposition 65	✓
FDA 21 CFR Part 175.300 – Indirect Food Contact – Resinous and Polymeric Coatings	✓
European Food Directive 1935/2004/EC	✓
Foodstuffs and Consumer Goods Act and LFGB approved	✓
Halogen free	✓
Latex free	
Animal derivatives free	
BP Free	✓

Stocked Sizes Available for the following Zebra Printers:

Mid-range and high-performance thermal printers, Zebra engines, other legacy Zebra printers
(Other widths/lengths are available on request subject to minimum order quantities and lead times)

Recommended Storage Conditions:

1 year duration when stored at 5°C to 35°C at 20% to 80% RH

4800 Barcode Scannability

The below scannability testing was performed on 140XiII, 170XiIII, 105SI and Z4Mplus.

Label Facestock	Print Speed	Barcode	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 Performance
Glass Cleaner w/Ammonia	✓
Formula 409	✓
Skydrol	
Motor Oil	✓
Brake Fluid	^
Gunk Degreaser	✓
WD-40	✓
Genesolv	
Rho-Tro	
Hexane	✓
Xylene	
Gasoline	^
Acetone	
Alcohol (90% Isopropyl Alcohol)	✓

✓: Scanning received a “B” ANSI grade or above.

^ : Scanning received a “C” to “F” ANSI grade.

Blank: Barcode does not scan



Product Performance and Suitability

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

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

For testing of this ribbon on Zebra mid-range and high-performance printers please order part number 04800BK11005. For testing on other printer models, please contact your Supplies Specialist representative.