

## Image Lock™ Resin

# Thermal Transfer Ribbon



### Description

A premium resin ribbon that offers exceptional abrasion and solvent resistance on Zebra's Z-Xtreme 5000T polyester label materials, while still providing excellent edge definition. This ribbon is an excellent choice for printing extremely dense barcodes and high-resolution graphics. Its unique resin base provides excellent resistance to outdoor elements and chemical solvents.

### UL Recognised and cUL approved with the following materials:

- Z-Xtreme™ 5000T White and Silver

### Suggested Applications

- High temperature, harsh environments requiring excellent print quality, print durability and label performance
- Printed circuit board applications
- Laboratory slide label applications
- Replacement for laminated labels
- Labelling applications requiring extreme resistance to harsh chemicals

### Technical Specifications

	Description
Colour	Black
Ink Formulation	Resin
Base Film	Polyester
Base Film Caliper	4.5 microns
Total Caliper	6.6 microns ± 10
Scanning Capabilities	IR and Visible Light
Ribbon Length/ Inner Core	300m / 25.4 mm
Stocked Widths (300m length)	60, 80, 110mm (other widths available on request)
Sample Widths (50m length)	83mm

**Recommended Storage Conditions:** One year duration when stored at -5°C to 40°C at 20% to 85% RH



## Image Lock™ Bar Code Scannability

The below scannability testing was performed on a variety of Zebra tabletop printers.

Label Facestock	Print Speed	Bar Code	Lab Results
Z-Xtreme 5000T	Up to 4 ips	10 mil normal code	Typical ANSI Grade A
Z-Xtreme 5000T	Up to 4 ips	15 mil rotated code	Typical ANSI Grade B

## Image Lock™ Performance Analysis

### Chemical Resistance

	Z-Xtreme 4000T 3200 ribbon	Z-Xtreme 4000T 5095 Ribbon	Z-Xtreme 5000T Image Lock Ribbon
Acetone	✓		✓
Xylene	✓		✓
1,1,1 Trichloroethylene (TCE)	✓		✓
Gasoline		TEST	✓
Methyl Ethyl Ketone (MEK)	✓		✓
91% Isopropyl Alcohol	✓	✓	✓
Transmission Fluid	TEST	TEST	✓
Hexane	✓	✓	✓
Denatured Alcohol	✓	TEST	✓
Engine Coolant	✓	✓	✓
Motor Oil	TEST	TEST	✓
Windshield Wiper Fluid	✓	✓	✓



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## Abrasion Resistance

	Z-Xtreme 4000T 3200 ribbon	Z-Xtreme 4000T 5095 Ribbon	Z-Xtreme 5000T Image Lock Ribbon
Scratch/ Smear		✓	✓

- ✓ – **Excellent performance**
- TEST – Test in your application
- Blank – Not recommended

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 74918.

## 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.

