

# 3200 Premium Wax/Resin

## Thermal Transfer Ribbon

### Description:

The Zebra 3200 premium wax/resin thermal transfer ribbon is a special ink formulation for use with all industrial and desktop Zebra thermal transfer printers. This versatile ribbon provides outstanding print quality on a wide range of materials, and provides smear and scratch resistance on Zebra paper and synthetic labelstocks. In addition, this ribbon offers good resistance against many everyday chemicals, resulting in excellent staying power and durability in harsh environments.

**UL Recognized** and **CSA Accepting Printing Systems** with the following materials:

- Z-Xtreme™ 4000T White High-Tack
- Z-Xtreme™ 4000T Silver High-Tack
- Z-Xtreme™ 4000T White



### Suggested Applications:

- When one ribbon is preferred for multiple, industrial labelling applications
- Box, pallet, retail and shelf-edge labelling
- Outdoor product labelling applications
- Labels subject to extreme abrasion or friction
- Labels exposed to solvents, steam, alkali or acid solutions

### Technical Specifications

3200 Premium Wax/Resin	
<b>Colour</b>	Black
<b>Ink Formulation</b>	Wax/Resin
<b>Base Film</b>	Polyester
<b>Base Film Caliper</b>	4.5 microns
<b>Scanning Capabilities</b>	IR and Visible Light
<b>Ribbon Length</b>	450 metres / 362 metres / 91 metres / 74 metres
<b>Stocked Widths (mm)</b>	40, 60, 80, 89, 102, 110, 131, 156, 174, 220mm / 64, 84, 110mm / 33, 56.9, 64, 84, 110mm

### Recommended Storage Conditions:

One year duration when stored at -5°C to 40°C  
(23°F to 104°F) at 20% to 85% RH



### 3200 Bar Code Scannability

The below scannability testing was performed on Z4M, 140X/III, 90X/III, 170X/III, 105SL and Stripe 600.

Label Facestock	Print Speed	Bar Code	Lab Results
Coated Paper Labels and Tags	up to 254mm/sec	10 or 12 mil normal code	Typical ANSI Grade A
Synthetics	up to 203.2mm/sec	10 or 12 mil normal code	Typical ANSI Grade A
Uncoated Paper Labels and Tags	up to 152.4mm/sec	10 or 12 mil normal code	Typical ANSI Grade C
Coated Paper Labels and Tags	up to 254mm/sec	15 mil rotated code	Typical ANSI Grade B
Synthetics	up to 203.2mm/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 3200
Glass Cleaner w/Ammonia	✓
Formula 409	✓
Motor Oil	
Brake Fluid	X
Gunk Degreaser	X
WD-40	X
Genesolv	
Hexane	X
Xylene	
Gasoline	X
Acetone	
Alcohol (90% Isopropyl Alcohol)	✓

- ✓ 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 that they meet all intended requirements of specific end-use applications. For testing of this ribbon on Zebra industrial mid-range and high-end printers, please order part number **3200BK08005**. For a full, up-to-date list of parts available for all Zebra printers, please contact your authorized Zebra reseller.

