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## 2100 High Performance Wax

# Thermal Transfer Ribbon

### Description:

Our resin-enhanced wax offers superior abrasion resistance when compared to conventional wax products. The 2100 ribbon provides excellent print quality on normal and rotated bar codes on coated and uncoated labels and tags, as well as many matt synthetic materials. Also, its low printhead energy requirements for image transfer make it the ideal choice for extremely high-speed print up to 304.8mm/sec. (12ips)

### Suggested Applications:

- General purpose labelling
- Shipping and receiving
- Inventory tracking
- Warehousing & Distribution
- Retail labels / tags

### Technical Specifications

	Description
Colour	Black
Ink Formulation	Wax
Base Film	Polyester
Caliper	4.6 microns
Scanning Capabilities	IR and visible Light
Ribbon Length	450 metres/ 91 metres/ 110 metres
Stocked Widths	40, 60, 80, 89, 102, 106, 110, 131, 156, 174 and 220 mm/ 64, 84,110mm/ 110mm

**Recommended storage conditions:** One year duration when stored at (-5°C to 40°C) at 20% to 80% RH



## 2100 Bar Code Scannability

The below scannability testing was performed on Z4M, 140XIII, 90XIII, 105SL and Stripe 600 printers.

Label Facestock	Print Speed	Bar Code	Lab Results
Coated Paper Labels and Tags	Up to 304.8mm/sec	10 or 12 mil normal code	Typical ANSI Grade A
Matt Synthetics	Up to 254 mm/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 B
Coated Paper Labels and Tags	Up to 203.2 mm/sec	15 mil rotated code	Typical ANSI Grade B
Matt Synthetics	Up to 152.4mm/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 2100
Glass Cleaner w/Ammonia	✓
Formula 409	✓
Motor Oil	
Brake Fluid	X
Gunk Degreaser	X
WD-40	X
Hexane	
Xylene	
Gasoline	
Acetone	
Alcohol (91% 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 **02100BK11005**. For a full, up-to-date list of parts available for all Zebra printers, please contact your authorized Zebra reseller.



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