



# 3400 High Performance Wax/Resin Thermal Transfer Ribbon

3400 High Performance Wax/Resin

## Description:

A versatile wax/resin formulation, offering excellent print quality on a wide range of coated and uncoated paper, and matt synthetic facestocks. This ribbon excels when rotated barcodes and small fonts are required. This high performance wax/resin ribbon also provides good abrasion resistance, as well as chemical resistance to a wide range of solvents.

**UL Approval** with the following materials:

- Z-Xtreme™ 3000 White PolyTrans 7A (GL)
- Z-Xtreme™ 4000 White PolyTrans 8A (GL)
- Z-Xtreme™ 3000 Silver PolyTrans 3000 Clear™
- Z-Xtreme™ 4000 Silver PolyTrans 3000 Void™



## Suggested Applications:

- Shelf-edge labels and tags
- Box and Pallet labelling
- Inventory labeling
- Industrial labels with medium life expectancy
- Labels exposed to steam, alkali or acid solutions

## Technical Specifications

3400 High Performance Wax/Resin	
Colour	Black
Ink Formulation	Wax/Resin
Base Film	Polyester
Caliper	4.5 microns
Scanning Capabilities	IR and Visible Light
Ribbon Length	450 metres (1476 feet)
Stocked Widths	40, 60, 83, 89, 102, 110, 131, 156, 174 & 220mm

**Recommended Storage Conditions:** 23°F to 104°F (-5°C to 40°C) at 20% to 85% RH



### 3400 Bar Code Scannability

The below scannability testing was performed on Z4M, 140XiIII, 90XiIII, and 105SL.

Label Facestock	Print Speed	Bar Code	Lab Results
Coated Paper Labels and Tags	up to 203.2mm/sec	10 mil normal code	Typical ANSI Grade A
Coated Matt Synthetics	up to 203.2mm/sec	10 mil normal code	Typical ANSI Grade A
Uncoated Paper Labels and Tags	up to 152.4mm/sec	10 mil normal code	Typical ANSI Grade C
Coated Paper Labels and Tags	up to 203.2mm/sec	15 mil rotated code	Typical ANSI Grade B
Coated 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 4000™ using 10 cycles (20 rubs) with the crockmeter.

Test Solvents	Zebra 3400
Glass Cleaner w/Ammonia	✓
Formula 409	✓
Motor Oil	✓
Brake Fluid	X
Gunk Degreaser	✓
WD-40	✓
Genesolv	X
Hexane	X
Xylene	
Gasoline	
Acetone	X
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

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 **3400BK08305**.

