

# 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 Zebra thermal transfer printers. This ribbon provides outstanding print quality combined with chemical and solvent resistance.

By providing smear and scratch resistance on Zebra paper and synthetic labelstocks, this ribbon results in excellent staying power and durability in harsh environments.

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

- Z-Xtreme 4000T White and Silver
- Z-Xtreme 4000T High-Tack White and Silver
- Z-Xtreme 2000T White, Silver and Clear (UL only)



## Suggested Applications:

- Labels exposed to solvents and chemicals
- Labels subject to abrasion or friction
- Outdoor labeling applications in extreme environments
- Chemical drum labeling applications
- Labels exposed to water, steam, alkali or acid solutions

## Technical Specifications

3200 Premium	
Color	Black
Ink Formulation	Wax/Resin
Base Film	Polyester
Base Film Caliper	4.5 microns
Total Caliper	8.6 microns +/- 10%
Scanning Capabilities	IR and Visible Light
Ribbon Length	450m (1476 ft.)
Stocked Widths	40, 60, 80, 110, 131, 156, 220mm (1.57", 2.36", 3.14", 5.16", 6.14", 8.66")

**Recommended Storage Conditions:**

23°F to 104°F (-5°C to 40°C) at 20% to 85% RH



## 3200 Bar Code Scannability

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

Label Facestock	Print Speed	Bar Code	Lab Results
Coated Paper Labels and Tags	up to 12 ips	10 mil normal code	Typical ANSI Grade A
Synthetics	up to 12 ips	10 mil normal code	Typical ANSI Grade A
Uncoated Paper Labels and Tags	up to 6 ips	10 mil normal code	Typical ANSI Grade C
Coated Paper Labels and Tags	up to 6 ips	15 mil rotated code	Typical ANSI Grade B
Synthetics	up to 6 ips	15 mil rotated code	Typical ANSI Grade B

## 3200 Performance Analysis

All of the below tests were performed on Z-Xtreme 4000T™ using 10 cycles (20 rubs) with the crockmeter.

Test Solvents	Minimum ANSI Grade
Glass Cleaner w/Ammonia	B
Formula 409*	B
Skydrol*	B
Motor Oil	B
Brake Fluid	B
Gunk Degreaser*	B
WD-40*	B
Genesolv*	F
Rho-Tron*	F
Hexane	F
Xylene	Does not scan
Gasoline	Does not scan
Acetone	F
Alcohol (90% Isopropyl Alcohol)	B

\*Trademarks of the respective companies.

## 3200 Heat Resistance Analysis

	PolyO	PolyPro 4000T	Z-Xtreme 2000T	Z-Xtreme 4000T
Maximum Temperature For Continuous Use	100°C	100°C	150°C	150°C

All products should be pre-tested to ensure it meets all intended requirements of specific end-use applications. For testing of this product, please order sample ribbon 3200BK08005.

