

# 5095 Performance Resin

## Thermal Transfer Ribbon

### Description:

Our performance resin ribbon formulation that produces images resistant to most harsh environments: smearing, moisture, abrasion, extreme temperature and chemicals when printed on Zebra's synthetic label and tag materials. The low energy requirements for this ribbon will allow for excellent print quality even on some Zebra paper labels.

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

- Z-Ultimate® 3000 White
- Z-Ultimate® 3000 Silver
- Z-Ultimate® Select 3000 White (UL Only)
- Z-Ultimate® Select 3000 Silver (UL Only)
- Z-Ultimate® 3000 Color
- Z-Xtreme 3000 White™
- Z-Xtreme 3000 Silver™
- Z-Xtreme 4000 White™
- Z-Xtreme 3000 White™



### Suggested Applications:

- Labels which are repetitively wand-scanned
- Labels subject to abrasion or friction
- Shelf and scan-pallet labels
- Outdoor labeling applications in extreme environments
- Chemical container labels
- Labels exposed to water, alkali or acid solutions

### Technical Specifications

5095 Performance	
Color	Black
Ink Formulation	Resin
Base Film	Polyester
Base Film Caliper	4.5 microns
Scanning Capabilities	IR and Visible Light
Ribbon Length(s) / Inner Core Width(s)	<b>450m</b> (1476 ft.) /25.4mm (1.0") <u>OR</u> <b>91m</b> (298 ft.) / 12.7mm (0.5")
Stocked Widths (450m Length)	40, 60, 83, 89, 110, 131, 154, 174, 220mm (1.57", 2.36", 3.27", 3.50", 4.33", 5.16", 6.06", 6.85", 8.66")
Stocked Widths (91m length)	64, 84, 110mm (2.52", 3.31", 4.33")

Recommended Storage Conditions:

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



## 5095 Bar Code Scannability

The below scannability testing was performed on Z4000, 140Xi, 140X/II, 90X/II, 170Xi, 105S, and Stripe 500.

Label Facestock	Print Speed	Bar Code	Lab Results
Coated Paper Labels and Tags	Up to 4 ips	10 mil normal code	Typical ANSI Grade A
Synthetics	Up to 6 ips	10 mil normal code	Typical ANSI Grade A
Coated Paper Labels and Tags	Up to 4 ips	15 mil rotated code	Typical ANSI Grade B
Synthetics	Up to 6 ips	15 mil rotated code	Typical ANSI Grade B

## 5095 Performance Analysis

All of the below tests were performed using 10 cycles (20 rubs) with the crockmeter.

Test Solvents	Z-Ultimate® 3000 White	Z-Xtreme™ 4000 White
Glass Cleaner w/Ammonia	*	*
Formula 409*	*	*
Skydrol*		
Motor Oil	*	*
Brake Fluid		✓
Gunk Degreaser*	*	*
WD-40*	*	*
Genesolv*		
Rho-Tron*	✓	
Hexane	*	*
Xylene		
Gasoline	✓	✓
Acetone		
Alcohol (90% Isopropyl Alcohol)	*	*

\*Trademarks of the respective companies.

- \* Scanning receives a "B" ANSI grade or better
- ✓ Scanning receives a "F" ANSI grade or better
- Barcode does not scan

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

4100BK08005.

