

# 5095 High Performance Resin

## Thermal Transfer Ribbon

### Description:

Our High Performance Resin ribbon formulation 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 when very small fonts are required, and high print speeds are possible.

UL Recognised and CSA Accepting Printing Systems with the following label materials:

- Z-Ultimate® 3000T White
- Z-Ultimate® 3000T Silver
- Z-Xtreme™ 4000T White High-Tack
- Z-Xtreme™ 4000T Silver High-Tack
- Z-Xtreme™ 4000T White
- Z-Ultimate® 3000T Yellow (UL only)



### Suggested Applications

- Labels exposed to heat, steam, solvents, abrasion and friction
- Outdoor labelling applications in extreme environments.
- Chemical container labels.
- Automotive labels
- Industrial rating plates

### Technical Specifications

5095 Performance Resin	
<b>Colour</b>	Black
<b>Ink Formulation</b>	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(s)</b>	450 metres / 362 metres / 91 metres / 74 metres
<b>Stocked Widths (mm)</b>	40, 60, 83, 89, 110, 131, 154, 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



## 5095 Bar Code Scannability

The below scannability testing was performed on 140X/III, 90X/III, 170X/III, 105SL, and Z4Mplus.

Label Facestock	Print Speed	Bar Code	Lab Results
Coated Paper Labels and Tags	Up to 152.4mm/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
Coated Paper Labels and Tags	Up to 101.6mm/sec	15 mil rotated code	Typical ANSI Grade B
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 5095
Glass Cleaner w/Ammonia	✓
Formula 409	✓
Skydrol	
Motor Oil	✓
Brake Fluid	X
Gunk Degreaser	✓
WD-40	✓
Genesolv	
Rho-Tron	
Hexane	✓
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 **05095BK08305**. For a full, up-to-date list of parts available for all Zebra printers, please contact your authorized Zebra reseller.

