

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® 4000T White and Silver
- Z-Ultimate® 4000T Removable (UL only)
- Z-Ultimate® 4000T High-Tack
- Z-Ultimate® 3000T White and Silver
- Z-Ultimate® 2000T White (UL only)
- Z-Xtreme 4000T White and Silver
- Z-Xtreme 4000T High-Tack White and Silver
- Z-Xtreme 2000T White, Silver and Clear (UL only)
- 8000T Void Matte (UL only)



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
Total Caliper	6.5 microns +/- 10%
Scanning Capabilities	IR and Visible Light
Ribbon Length(s) / Inner Core Width(s)	450m (1476 ft.) /25.4mm (1.0") <u>OR</u> 91m (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 a variety of Zebra tabletop printers.

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 5095BK08305.

