



5095 Resin Ribbon

High-performance resin ribbon for use on matte and gloss synthetics

Zebra's 5095 Resin Ribbon is engineered to optimize label performance and extend the lifespan of your printheads, thereby enhancing the productivity of your operations. Known for its premium quality, this high-performance ribbon ensures consistent and reliable print results. It offers superior chemical and temperature resistance, making it ideal for environments where durability is paramount.

The 5095 Resin Ribbon excels in delivering sharp print quality, even when dealing with small fonts, intricate graphics, and rotated barcodes, ensuring all details are captured accurately. Additionally, it is UL/cUL approved for use with select Zebra label materials, providing confidence in its compatibility and safety standards.



Excellent chemical and temperature resistance

Our high-performance resin ribbon formulation produces images that are resistant to most harsh environments when printed on Zebra's synthetic label and tag materials — including smearing, moisture, abrasion, extreme temperatures and chemicals.

Resin Ribbons

Unmatched Print Quality and Durability. Ideal for use:

- With all synthetic materials and some top-coated labels and tags
- In environments with harsh to extreme exposure to chemicals
- When applications require strong resistance against ultra-high temperatures and harsh outdoor environments

Comprehensive choice

Every year, Zebra supplies many million square meters of ribbon to Europe, Middle East and Africa, and the Americas. Comprehensive product choice means you'll always be able to find the right printer ribbon for your specific requirements. We hold around 140 different ribbon items for Zebra printers in stock — all available for immediate delivery via ZipShip, our dedicated stocked supplies solution.

The perfect companion for your Zebra labels, tags and printer

Not all thermal ribbons are created equal. There are hundreds of different ribbon formulations in the market. That is why Zebra's Supplies R&D Team has tested and selected only those ribbons that deliver the best print quality and durability. To get the Zebra name, each ribbon must pass a series of print quality and durability tests.

When you purchase Zebra thermal ribbons you can rest assured that the:

- Print will be readable and scannable every time.
- Print will withstand the environment in which it will be used in.
- Backcoating will not cause premature printhead failure.

5095 Resin Ribbon—Unmatched Print Quality and Durability

For more information, please visit www.zebra.com/ribbons

Specifications

Technical Specifications	
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
Product Performance and Suitability	
Recommended storage conditions (before use)	1 year duration when stored at 23°F to 104°F/-5°C to 40°C at 20% to 85% RH
Sample Part Number	05095BK08305
UL/cUL Certified Materials with this Ribbon	
Z-Ultimate® 3000T White Z-Ultimate® 3000T Silver Z-Xtreme™ 4000T White Z-Xtreme™ 4000T White High-Tack Z-Xtreme™ 4000T Silver High-Tack Z-Ultimate® 2500T White Z-Ultimate® 3000T Yellow Z-Ultimate® 3000T High-Tack 8000T Void Matte	
Barcode Scannability ¹	
10 or 12 mil normal code up to 203.2mm/sec print speed	Typical ANSI Grade A
15 mil rotated code up to 152.4mm/sec print speed	Typical ANSI Grade B
Print Resistance ²	
Glass cleaner with ammonia	Good
Formula 409	Good
Skydrol	Not Recommended
Motor Oil	Good
Brake Fluid	Test in your application
Gunk Degreaser	Good
WD-40	Good
Genesolv	Not Recommended
Rho-Tro	Not Recommended

Hexane	Good
Xylene	Not Recommended
Gasoline	Test in your application
Acetone	Not Recommended
Alcohol (90% Isopropyl Alcohol)	Good

Ribbon Compliance

REACH / SVHC 1907/2006/EC
 EU Food Contact 1935/2004/EC
 US Food Contact FDA
 RoHS / Heavy Metals 2011/65/EU
 Halogens IEC 61249-2-21:2003
 UL 969
 BS 5609

Stocked Sizes Available for Zebra Printers

P4T, desktop, mid-range and high-performance thermal printers, Zebra engines, other legacy Zebra printers. Other widths/lengths are available on request subject to minimum order quantities and lead times

Material Testing in End Application

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application. All products should be pre-tested to ensure they meet all intended requirements of specific end-use applications.

Footnotes

1. Scannability testing was performed on synthetic facestock labels using Zebra printers.
2. Print durability testing was performed on Z-Xtreme® 4000T White using 10 cycles (20 rubs) with the Crockmeter. Specifications are subject to change without notice

Markets and Applications

- Labels exposed to heat, steam, solvents, abrasion and friction
- Outdoor labelling applications in extreme environments
- Chemical container labels
- Labels exposed to water, steam, alkali or acid solutions
- Automotive labels
- Industrial rating plates and frequently scanned labels