

5095 Resin Ribbon

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

The quality of your thermal ribbons impacts everything from label performance and printhead lifespan to the productivity of your operations. You can count on consistent, premium performance with Zebra's 5095 Resin Ribbon. This high-performance ribbon provides excellent chemical and temperature resistance and delivers excellent print quality, even with small fonts, graphics and rotated barcodes. It is UL/cUL approved for use with select Zebra label materials.



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.

Consistently exceptional performance with Zebra Certified Supplies

Zebra ribbons are rigorously tested to perform. Our supplies R&D team performs stringent print quality, durability and printhead life tests after printing on a wide range of material types, at various speeds within Zebra printers. The result is maximum printer uptime and scannable labels. As an ISO 9001 certified company, we adhere to consistent processes and never substitute alternatives. So, you can count on the same great formulation and performance every time you order.

Zebra ZipShip — on the shelf and ready to ship

Need your ribbon in a hurry? 5095 resin ribbon is part of our Zebra ZipShip program — on the shelf and ready for immediate dispatch. You get fast shipment and the minimum order is just one box.



Count on consistent, premium print quality with Zebra's 5095 high-performance resin ribbon.

5095 Resin Ribbon 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
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
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	

Regulatory and Compliance
5095 ribbon complies with the following: REACH/ Substances of Very High Concern (SVHC) RoHS Dodd-Frank Act (Conflict Minerals) Toxic Substances Control Act of 1976 California Proposition 65 FDA 21 CFR Part 175.300 – Indirect Food Contact – Resinous and Polymeric Coatings European Food Directive 1935/2004/EC Foodstuffs and Consumer Goods Act and LFGB approved Halogen free, latex free, animal derivatives free, BP free
Stocked Sizes 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. For testing of this ribbon on Zebra mid-range and high-performance printers please order part number 05095BK11005. For testing on other printer models, please contact your Supplies Specialist representative.
Footnotes
1. Scannability testing was performed on synthetic facstock labels using Zebra printers. 2. Print durability testing was performed on Z-Xtreme™ 4000T White using 10 cycles (20 rubs) with the Crockmeter.

Ideal for these 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

