

3000 Wax/Resin Ribbon

Standard wax/resin ribbon for use on uncoated, coated, and gloss paper and 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 performance with Zebra's 3000 Wax/Resin Ribbon. When paired with compatible uncoated and coated paper and synthetic materials, this standard ribbon provides resistance to moderate to extreme chemicals and moderate abrasion.



Moderate to extreme chemical and moderate abrasion resistance

The 3000 wax/resin ribbon formulation produces images that are resistant to moderate abrasion and moderate to extreme chemicals, when printed on a compatible Zebra uncoated or coated paper or synthetic material.

Print Quality and Durability Thoroughly Tested

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. These tests include evaluating:

- Material Compatibility – To ensure proper adhesion of the ribbon to a wide range of materials
- Environmental Performance – The level of resistance to chemicals, outdoor exposure, and abrasion
- Print Speed Performance – Performance at high print speeds
- Complex Label Format Performance – Performance at 600 dpi and when printing small font sizes, intricate regulatory symbols, and rotated barcodes
- Ribbon Backcoating Build-up – We measure the amount of backcoating build-up on the printhead to ensure minimal printhead impact

Consistently exceptional performance with Zebra Certified Supplies

Zebra never substitutes ribbons. You receive the same formulation every time you order, ensuring consistent print quality and durability in your application.

Count on consistent, premium print quality with Zebra's 3000 high-performance wax/resin ribbon.
For more information, please visit www.zebra.com/supplies

3000 Wax/Resin Ribbon Specifications

Ideal for these applications

Technical Specifications	
Color	Black
Ink Formulation	Wax/Resin
Base Film	Polyester
Base Film Caliper	4 microns (reducing plastic waste by up to 12%)
Total Caliper	6 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
Print Durability	
Abrasion	Moderate
Chemicals	Moderate to Extreme
Alcohol	Excellent
Regulatory and Compliance	
REACH/ Substances of Very High Concern (SVHC) RoHS	
Stocked Sizes for Zebra Printers	
Desktop, mid-range and high-performance thermal printers; other legacy Zebra printers Widths/lengths are available on request	
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.	

- Labels exposed to solvents or chemicals
- Outdoor labeling applications in extreme environments
- Chemical container labels
- Labels exposed to water, steam, alkali, or acid solutions
- Labels subject to abrasion or friction



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