

# 6100 Wax/Resin Ribbon

Wax/Resin thermal transfer ribbon providing outstanding print quality, combined with chemical and solvent resistance

The Zebra 6100 wax/resin thermal transfer ribbon is a specialized ink formulation designed for use with Zebra thermal transfer printers, offering exceptional print quality and durability. It combines the best of both wax and resin properties, ensuring high resistance to chemicals and solvents, which is crucial for maintaining label integrity in demanding environments. This ribbon excels in providing smear and scratch resistance on Zebra coated paper and matte synthetic label stocks, making it an ideal choice for applications requiring long-lasting and reliable labeling. Its ability to withstand harsh conditions ensures that printed information remains legible and intact, enhancing operational efficiency and product tracking.



## Cost-effective supplies

Zebra is the largest purchaser of ribbons globally and we use this buying power to offer competitive pricing across our range. Our zero substitutions policy means you receive the same ribbon formulation every time you order – for consistent and reliable print quality and durability. Plus, a minimum order of just one box ensures that Zebra Certified Supplies are always cost-effective.

## Wax/Resin Ribbons

Provide Good Abrasion and Chemical Resistance. Ideal for use:

- With top-coated paper and matte synthetic materials
- In environments with moderate to harsh exposure to chemicals and/or abrasion

## 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.

**6100 Wax/Resin Ribbon—UL certified ribbon, with outstanding print quality combined with chemical and solvent resistance for more challenging applications.**

For more information, please visit [www.zebra.com/ribbons](http://www.zebra.com/ribbons)

# Specifications

## Technical Specifications

|                       |                      |
|-----------------------|----------------------|
| Color                 | Black                |
| Ink Formulation       | Wax/Resin            |
| Base Film             | Polyester            |
| Base Film Caliper     | 4.5 microns          |
| Total Caliper         | 7.1 microns +/- 10%  |
| Scanning Capabilities | IR and Visible Light |

## Product Performance and Suitability

|                                             |                         |
|---------------------------------------------|-------------------------|
| Recommended storage conditions (before use) | 72° F (22° C) at 50% RH |
| Expected Shelf Life                         | 1 Year                  |
| Sample Part Number                          | SAM06100BK11045         |

## UL/cUL Certified Materials with this Ribbon

|                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|
| Z-Xtreme 4000T White and Silver - UL Recognized<br>Z-Xtreme 4000T High-Tack White and Silver - UL Recognized |
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## Ribbon Compliance

|                                                |
|------------------------------------------------|
| RoHS<br>UL recognized<br>REACH<br>Halogen Free |
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## Stocked Sizes Available for Zebra Printers

|                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential-range, Mid-range and high-performance thermal printers, other legacy Zebra printers. Other widths/lengths are available on request subject to minimum order quantities and lead times |
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## 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.

## Markets and Applications

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