

# 2100 High-Performance Wax Ribbon

## From general purpose labeling to high-volume applications

A high-performance wax ribbon featuring excellent print quality on a wide range of coated and uncoated papers. Superb smallfont printability and superior abrasion resistance make the 2100 high-performance wax ribbon ideal for high volume manufacturing applications.

Wax ribbons are a popular choice in the realm of thermal transfer printing, especially for businesses that require cost-effective labeling solutions without compromising on quality. These ribbons are designed to deliver consistent performance over extended periods, making them ideal for use in Zebra Print Engines and Industrial Printers for high-volume printing applications.



### Features

One of the standout features of Zebra 2100 high-performance wax ribbon is its compatibility with Zebra thermal transfer printers. When paired with these printers, such as the Zebra Industrial Printers or Print Engines, users can expect seamless integration and optimal performance. This synergy ensures consistent print quality, reliability, and ease of use, allowing businesses to maintain high standards in their labeling operations.

Furthermore, Zebra's 2100 wax ribbon is engineered to deliver superior print clarity and resolution. Whether printing barcodes, text, or graphics, these ribbons consistently produce sharp, high-contrast prints that enhance barcode scanning accuracy and readability. This reliability is crucial for industries where precise identification and tracking are essential for operations and compliance.

### 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

**2100 High-Performance Wax Ribbon — excellent print quality for a wide variety of applications.**  
For more information, please visit [www.zebra.com/ribbons](http://www.zebra.com/ribbons)



# Specifications

| Technical Specifications |                      |
|--------------------------|----------------------|
| Colour                   | Black                |
| Base Film                | Polyester            |
| Base Film Caliper        | 4.5 microns          |
| Total Caliper            | 8 microns            |
| Scanning Capabilities    | IR and Visible Light |

| Ribbon Compliance                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH/ Substances of Very High Concern (SVHC), RoHS, Dodd-Frank Act (Conflict Minerals), 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 Available for the following Zebra Printers:                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) |

| 2100 Barcode Scannability      |                   |                          |                      |
|--------------------------------|-------------------|--------------------------|----------------------|
| Label Facstock                 | Print Speed       | Barcode                  | Lab Results          |
| Coated paper labels and tags   | Up to 304.8mm/sec | 10 or 12 mil normal code | Typical ANSI Grade A |
| Matte Synthetics               | Up to 254mm/sec   | 10 or 12 mil normal code | Typical ANSI Grade A |
| Uncoated paper labels and tags | Up to 152.4mm/sec | 10 or 12 mil normal code | Typical ANSI Grade B |
| Coated paper labels and tags   | Up to 203.2mm/sec | 15 mil rotated code      | Typical ANSI Grade B |
| Matte Synthetics               | Up to 152.4mm/sec | 15 mil rotated code      | Typical ANSI Grade B |

| Performance Analysis            |                                             |
|---------------------------------|---------------------------------------------|
| Glass Cleaner w/ Ammonia        | Scanning received a "B" ANSI grade or above |
| Formula 409                     | Scanning received a "B" ANSI grade or above |
| Brake Fluid                     | Scanning received a "C" to "F" ANSI grade   |
| Gunk Degreaser                  | Scanning received a "C" to "F" ANSI grade   |
| WD-40                           | Scanning received a "C" to "F" ANSI grade   |
| Alcohol (90% Isopropyl Alcohol) | Scanning received a "B" ANSI grade or above |

| Product Performance and Suitability |                              |
|-------------------------------------|------------------------------|
| Optimal Storage Conditions          | 5°C to 35°C at 20% to 80% RH |
| Expected Exterior Life              | 1 year duration              |

## Suggested Applications

- General purpose labeling
- Shipping and receiving including high temperature countries
- Warehouse and distribution
- Retail labels and tags
- High speed print and apply applications with Zebra topcoated paper labels



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