

## Z-Ultimate® 3000T White

# Permanent labels

## Thermal Transfer

### Description

A top coated white gloss polyester thermal transfer label stock with excellent print quality. Coated specially for use with Zebra 5095 resin thermal transfer ribbon to produce outstanding print quality and image durability. High-strength acrylic adhesive offers superior strength and adhesion for a wide variety of surfaces. Unparalleled smear/scratch resistance for a thermal transfer label.

Note: Z-Ultimate 3000T White is not to be used for fanfold applications.

### Suggested Applications

- Shelf or scan-pallet labels.
- Labels exposed to acid or alkali solutions; top side printed circuit board applications
- Water-immersed labels.
- Labels in contact with moving parts or friction conveyor drives
- On site, on-demand printing of UL Type R Listing marks/ CSA compliant labelling e.g. rating plates
- Asset tracking labels

### Technical Specifications

|           | Description                        | Caliper           |
|-----------|------------------------------------|-------------------|
| Facestock | White pearlescent coated polyester | 50 microns        |
| Adhesive  | Permanent acrylic based adhesive   | 23 microns        |
| Liner     | 65gsm White Glassine Liner         | 56 microns        |
|           |                                    | Total 126 microns |

**Recommended Zebra printers:** desktop, mid-range and high-performance thermal transfer printers

**Recommended Zebra ribbons:** 4800, 5095, 5100

**Minimum application temperature:** 10°C

**Service temperature range:** -40°C to 150°C

**Recommended storage conditions:** One year duration when stored at approx 20C at 50% RH



## Z-Ultimate® 3000T White continued

### Suggested Ribbons for Applications with Chemicals

|             | Weak  |            |            |       |                | Moderate |         |        |     | Harsh    |        |     | Extreme |           |     |     |        |
|-------------|-------|------------|------------|-------|----------------|----------|---------|--------|-----|----------|--------|-----|---------|-----------|-----|-----|--------|
|             | Blood | Body Fluid | Salt Water | Water | Window Cleaner | Alcohol  | Ammonia | Bleach | IPA | Gasoline | Grease | Oil | Acetone | IR Reflow | MEK | TCE | Xylene |
| <b>5095</b> | X     | X          | X          | X     | X              | X        | X       | X      | X   |          | X      | X   |         |           |     |     |        |
| <b>5100</b> | X     | X          | X          | X     | X              | X        | X       | X      | X   | X        | X      | X   |         |           |     |     |        |

### UL/CSA Acceptances:

Z-Ultimate 3000T White, when matched with 5095 and 5100 ribbons is UL-recognized and CSA-accepted for indoor/outdoor use.

### 180° Peel Room Temperature Peel Adhesion (N/m):

| Steel |       | Polycarbonate |       | Polyethylene |       |
|-------|-------|---------------|-------|--------------|-------|
| 5 min | 24 hr | 5 min         | 24 hr | 5 min        | 24 hr |
| 561   | 671   | 407           | 517   | 44           | 66    |

### Facestock Tensile Strength:

- Machine direction: 18,000 psi
- Transverse direction: 22,000 psi

NOTE: For guidance only, not to be used for setting specifications

### Product Performance and Suitability

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.

For testing of this material, please order SAMPLE5164.



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