



# Specification Sheet

## Z-Ultimate 3000T

### Features:

- Thermal transfer, gloss polyester label with a high-performance permanent acrylic adhesive
- Unparalleled smear/scratch resistance
- Excellent durability and chemical resistance
- Available in white (05612RM) and silver (05272RM)

### Suggested Applications:

- UL/CSA compliance product labeling
- Top-side PCB labeling
- Asset labeling
- Automotive labeling
- Serial plate labeling

### Material Construction:

|              | Description                       | Caliper        |
|--------------|-----------------------------------|----------------|
| Facestock    | White or silver coated polyester  | 2.0 mil        |
| Adhesive     | Permanent, acrylic-based          | 0.8 mil        |
| Liner        | 50 lb. semi-bleached, kraft stock | 3.0 mil        |
| <b>Total</b> |                                   | <b>5.8 mil</b> |

### Temperature Performance:

- Minimum Application Temperature: 50° F (10° C)
- Service Temperature: -40° F to 302° F (-40° C to 150° C)
- Storage Conditions: 32° F to 70° F (0° C to 21° C) at 35% to 50% RH
- Expected Exterior Life 3 years





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### 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>4100</b> | X     | X          | X          | X     | X              | X        | X       | X      | X   |          | X      | X   |         |           |     |     |        |
| <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 and Silver with 4100, 5095 and 5100 ribbons is UL-approved and CSA-accepted for indoor/outdoor use.

### 180° Peel Room Temperature Peel Adhesion (oz/in):

| Steel |       | Polycarbonate |       | Polyethylene |       |
|-------|-------|---------------|-------|--------------|-------|
| 5 min | 24 hr | 5 min         | 24 hr | 5 min        | 24 hr |
| 51    | 61    | 37            | 47    | 4            | 6     |

### 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.

