



Z-Ultimate® 3000T Clear

Permanent labels

Thermal Transfer

Description

A clear polyester thermal transfer label stock with excellent print quality and image durability. Coated specially for use with Zebra 4800, 5095 and 5100 resin thermal transfer ribbons (at speeds up to 101.6mm per second) to produce outstanding print quality. Z-Ultimate® 3000T Clear offers unparalleled smear and scratch resistance for indoor and outdoor applications. The product is supplied with an excellent general purpose permanent acrylic adhesive with good initial tack.

Note: Due to label transparency, bar code scannability depends on substrate colour. Customers should test all bar code applications for acceptable print contrast signal (PCS).

Suggested Applications

- Mirror image bar coding
- Asset tracking labels
- Labels which are repeatedly scanned
- Labels exposed to acid or alkali solutions
- Water-immersed labels
- Over-laminating labels for harsh applications

Technical Specifications

| | Description | Caliper |
|-----------|-------------------------|--------------------------|
| Facestock | Clear gloss polyester | 50 microns |
| Adhesive | Permanent acrylic based | 20 microns |
| Liner | White kraft Liner | 81 microns |
| | | Total 151 microns |

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

Recommended Zebra ribbons: 4800, 5095, 5100

Minimum application temperature: 0°C

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

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



Z-Ultimate® 3000T Clear 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 |
| 4800 | X | X | X | X | X | X | X | X | X | | X | X | | | | | |
| 5095 | X | X | X | X | X | X | X | X | X | | X | X | | | | | |
| 5100 | X | X | X | X | X | X | X | X | X | X | X | X | | | | | |

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

| Steel | | Polycarbonate | | Polyethylene | |
|-------|-------|---------------|-------|--------------|-------|
| 5 min | 24 hr | 5 min | 24 hr | 5 min | 24 hr |
| 429 | 517 | 319 | 517 | 121 | 154 |

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 SAM5061.