

Z-Ultimate 2500T White

| | | | | | |
|----------------------------|--|---|--------------------|------------------------|--------------|
| Media Type | Label | ✓ | Film Type | Polyethylene | |
| | Receipt | | | Polyolefin | |
| | Tag | | | Polypropylene | |
| | Wristband | | | Polyester | ✓ |
| | | | | Polyimide | |
| Material Type | Paper | | Properties | Cold Temperature | ✓ |
| | Synthetic | ✓ | | Deep Freeze | ✓ |
| Printing Technology | Direct Thermal (no Ribbon Required) | | | High Temperature | ✓ |
| | Thermal Transfer (Ribbon Required) | ✓ | | Ultra High Temperature | |
| Adhesive Type | Permanent | ✓ | | High Tack | |
| | Removable | | | Chemical Resistance | Harsh |
| | No Adhesive | | | | |
| Finish | Matte | | Environment | Indoor | ✓ |
| | Gloss | ✓ | | Outdoor | ✓ |

Additional Features

- Outstanding print quality, smear and scratch resistance
- Good resistance to moderate and harsh chemicals and solvents
- Excellent adhesion to a wide range of surfaces
- Tear and water resistant
- UL approved for electronic equipment, as a label which will last as long as the product
- BPA free
- Latex free adhesive

Suggested Applications

- Sterile services labelling including autoclave
- Capital asset labelling and tracking
- Rating plate and component labelling
- Topside PCB labelling
- Automotive labelling
- Meter reading labels
- Government and military asset labelling
- Gloss materials are not suitable for fanfold applications

UL Recognised

Approved for use with the following ribbons:

- 4800
- 5095
- 5100



Technical Specifications

| | Description | Caliper |
|------------------|---------------------------------|-------------------------|
| Facestock | Gloss white topcoated polyester | 58 microns |
| Adhesive | Permanent acrylic adhesive | 25 microns |
| Liner | 64gsm glassine liner | 53 microns |
| | Total | 136 microns ±10% |

Recommended Zebra Printers: Desktop, mid-range and high-performance thermal printers

Recommended Zebra Ribbons: 4800, 5095, 5100

Minimum Application Temperature: 10°C
When the label is applied, the environment and surface should be above this temperature

Service Temperature Range: -40°C to 150°C
Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

Recommended Storage Conditions: 1 year duration when stored at 23°C at 50% RH
Storage of product before use

Expected Life Span in Application: Indoor use, 1 year+
Outdoor use, for up to 1 year
Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

Suggested Ribbons for Applications requiring Chemical Resistance

| | 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 |
| 5095 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | | |
| 5100 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | |

“✓” indicates acceptable chemical resistance

4800 ribbon will also provide chemical resistance, however requires testing in application

180° Angle Peel Adhesion at Room Temperature (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 sample roll SAMPLE68610.

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: www.zebra.com/warranty