

Z-Ultimate® 3000T White



Available
from stock
on ZipShip

| | | | | | |
|----------------------------|--|---|------------------------|-------------------|------------------|
| Media Type | Label | ✓ | Film Type | Polyethylene | |
| | Receipt | | | Polyolefin | |
| | Tag | | | Polypropylene | |
| | Wristband | | | Polyester | ✓ |
| Material Type | Paper | | | Polyimide | |
| | Synthetic | ✓ | | Properties | Cold Temperature |
| Printing Technology | Direct Thermal (no Ribbon Required) | | Deep Freeze | | ✓ |
| | Thermal Transfer (Ribbon Required) | ✓ | High Temperature | | ✓ |
| Adhesive Type | Permanent | ✓ | Ultra High Temperature | | |
| | Removable | | High Tack | | |
| | No Adhesive | | Chemical Resistance | | Harsh |
| 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
- CSA certified for use with Zebra 4800, 5095, 5100 ribbons
- BPA free
- Latex free adhesive

Suggested Applications

- Sterile services labelling including autoclave
- Capital asset labelling and tracking
- Rating plate and component labelling
- Shelf or scan-pallet labels
- Water-immersed labels or labels which are continually scanned
- Applications where labels are in contact with moving parts or friction conveyor drives
- Labels exposed to acid or alkali solutions; top side printed circuit board applications
- Gloss materials are not suitable for fanfold applications

UL Recognised and CSA Certified

UL and CSA approved for use with the following ribbons:

- 4800
- 5095
- 5100



Technical Specifications

| | Description | Caliper |
|------------------|---------------------------------|-------------------------|
| Facestock | Gloss white topcoated polyester | 50 microns |
| Adhesive | Permanent acrylic adhesive | 22 microns |
| Liner | 65gsm white glassine liner | 56 microns |
| | Total | 128 microns ±10% |

Recommended Zebra Printers:

P4T, desktop, mid-range and high-performance thermal printers

Recommended Zebra Ribbons:

4800, 5095, 5100

Minimum Application Temperature:

When the label is applied, the environment and surface should be above this temperature

2°C

Service Temperature Range:

Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

-40°C to 150°C

Recommended Storage Conditions:

Storage of product before use

1 year duration when stored at 21°C at 50% RH

Expected Life Span in Application:

Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

Indoor use, 1 year+
Outdoor use, 1 year+

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 |
| 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, order from the ZipShip price list or order sample roll SAMPLE5164 or SAMPLE5164-D for desktop printers.