

Z-Ultimate 3000t White

White synthetic label with a permanent, gloss finish

The Z-Ultimate 3000T White label is engineered to deliver outstanding print quality along with exceptional smear and scratch resistance, ensuring clear and durable labeling. It offers robust resistance to both moderate and harsh chemicals and solvents, making it ideal for demanding environments. With excellent adhesion capabilities, this label adheres reliably to a wide range of surfaces. It is tear and water-resistant, ensuring longevity and durability. Additionally, the label is UL approved for use on electronic equipment, guaranteeing that it will last as long as the product itself. It is also BPA free and features a latex-free adhesive, making it a safe and versatile choice for various applications.



Standard Features

- Media type: label
- Material type: synthetic
- Printing technology: thermal transfer (ribbon required)
- Adhesive type: permanent
- Finish: gloss
- Film type: polyester

- Properties: cold temperature, deep freeze, high temperature.
Chemical resistance: harsh
- Environment: indoor, 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

For more information, visit www.zebra.com/supplies

Specifications

| Material Construction | |
|-----------------------------------|---|
| Facestock | Gloss white top coated polyester. Caliper 50 microns |
| Adhesive | Permanent acrylic adhesive. Caliper 22 microns |
| Liner | 65 gsm white glassine liner. Caliper 56 microns |
| Total Thickness (+/-10%) | 128 microns |
| Facestock Tensile Strength | |
| Machine Direction | 18,000 psi |
| Transverse Direction | 22,000 psi |
| Temperature Performance | |
| Minimum Application Temperature | 2 °C |
| Service Temperature | -40 °C to 150 °C |
| Optimal Storage Conditions | 1 year duration when stored at 21°C at 50% RH |
| Expected Life Span in Application | Indoor use, 1 year+ Outdoor use, 1 year+ |
| Recommended Printers and Ribbons | |
| Printers | P4T, desktop, mid-range and high performance thermal printers |
| Ribbons | 4800, 5095, 5100 |
| Chemical Resistance | |
| Weak | |
| Blood | 5095, 5100: Recommended |
| Body Fluid | 5095, 5100: Recommended |
| Salt Water | 5095, 5100: Recommended |
| Water | 5095, 5100: Recommended |
| Window Cleaner | 5095, 5100: Recommended |
| Moderate | |
| Alcohol | 5095, 5100: Recommended |
| Ammonia | 5095, 5100: Recommended |
| Bleach | 5095, 5100: Recommended |
| IPA | 5095, 5100: Recommended |
| Harsh | |
| Gasoline | 5100: Recommended |
| Grease | 5095, 5100: Recommended |
| Oil | 5095, 5100: Recommended |

Markets and 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
- Labels exposed to acid or alkali solutions; top side printed circuit board applications
- Gloss materials are not suitable for fanfold applications

PRODUCT SPEC SHEET

Z-ULTIMATE 3000T WHITE

| Extreme | |
|------------------|----|
| Acetone | NR |
| IR Reflow | NR |
| MEK | NR |
| TCE | NR |
| Xylene | NR |

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

180° Angle Peel Adhesion at Room Temperature (N/m)

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

Regulatory Compliance

UL approved for use with the following ribbons: 4800, 5095, 5100

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.



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