Z-Ultimate 3000T Label

Thermal transfer, gloss polyester label with a permanent, high-performance acrylic adhesive in white or silver

Optimal for the labeling of assets in more challenging environments, including those that require chemical processing, Zebra's Ultimate 3000T label delivers. This thermal transfer, available in white (05612RM) or silver (05272RM), gloss polyester label is engineered to provide reliable print quality and durability. When paired with Zebra's 6200 wax/resin or 5100 and 5095 resin ribbons, and with high-performance acrylic adhesive, you get unparalleled smear and scratch resistant print and durability against moderate chemicals, such as alcohol, IPA and ammonia. Its UL acceptance makes it a great choice for identifying UL-certified products that will be used indoors. It is suitable for fan-folding. And with Zebra's legacy of craftsmanship and durability, you can count on optimized performance – with each and every label. Z-Ultimate 3000T labels are recommended for a wide variety of labeling applications, including UL-certified products, top-side PCB labeling and automotive component identification.



Print Confident. Print Quality. Print Zebra

Printing supplies can impact everything from printhead lifespan to operational efficiency. That's why we design, produce and rigorously pre-test our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point inspection process and consistent materials to ensure reliable performance from order-to-order. No matter when you order your labels, you can count on the same consistent performance.

Unparalleled smear and scratch, moderate chemical and high-heat resistant

Z-Ultimate 3000T labels, when paired with Zebra's 6200, 5100 or 5095 ribbons, offer excellent adhesive qualiy and print durability to smearing and scratching, ensuring your assets remain identifiable throughout their useful life. The label will remain readable and intact when subjected to moderate chemicals, such as alcohol, ammonia, IPA and bleach, making it the perfect choice for identifying assets that will require cleaning and disinfecting with chemicals, such as medical devices and food preparation equipment. Once applied, this label can withstand temperatures up to 302° F/150° C, making it a reliable choice to identify products which require high-heat processing during manufacturing and those that will be subjected to heat when in use, such as some food preparation equipment.

UL certified labeling solution

Z-Ultimate 3000T labels combined with Zebra's 5100 and 5095 have been fully tested and certified by UL to the UL 969 standard. In addition, Zebra supplied manufacturing plants are authorized to pre-print the UL mark.

Zebra ZipShip – on the shelf and ready to ship

Need your labels in a hurry? Z-Ultimate 3000T labels are part of our Zebra ZipShip Program – on the shelf and ready for immediate dispatch. You get fast shipment – and the minimum order is just one box.

Customized for your application.

Zebra can deliver Z-Ultimate 3000T labels in just about any size, shape or label set configuration to meet the requirements of your application and process. In addition, our flexographic print presses can add pre-printed text, graphics and color.

Z-Ultimate 3000T Label - UL certified, high-heat, smear and scratch resistant labels with moderate chemical resistance and high-performance acrylic adhesive for more challenging applications.
For more information, please visit www.zebra.com/supplies

Specifications

Material Construction	
Raw Material Number	05612RM (white) or 05272RM (silver)
Facestock	Thermal transfer, gloss, polyester 2.0 mil/50.8 microns
Adhesive	High-performance, permanent acrylic adhesive 0.8 mil/20.32 microns
Liner	50 lb/74 gsm semi-bleached kraft liner 3.0 mil/76.2 microns
Total Thickness (+/-10%)	5.8 mil/147.3 microns
Environment	Indoor use; Outdoor use up to 3 years
Temperature Performance	
Minimum Application Temperature[1]	50° F/10° C
Service Temperature Range[2]	-40° F to 302° F/-40° C to 150° C
Recommended Printers and Ribbons	
Printers	Thermal transfer printer (ribbon required); use Zebra desktop, mid-range and high-performance thermal printers for optimal performance
Ribbons	Compatible with Zebra 6200, 5095 and 5100 resin ribbons for optimal performance
Adhesive Strength	
Stainless Steel	5 minute dwell time: 52 oz/in.
	24 hour dwell time: 62 oz/in.
Polycarbonate	5 minute dwell time: 38 oz/in.
	24 hour dwell time: 46 oz/in.
Polyethylene	5 minute dwell time: 4 oz/in.
	24 hour dwell time: 7 oz/in.
Facestock Tensile Strength	
Machine Direction	18,000 psi
Transverse Direction	22,000 psi
Chemical Resistence	
Weak Chemicals	
Blood	6200, 5095 & 5100: Recommended
Body Fluid	6200, 5095 & 5100: Recommended
Salt Water	6200, 5095 & 5100: Recommended
Water	6200, 5095 & 5100: Recommended
Window Cleaner	6200, 5095 & 5100: Recommended
Moderate Chemicals	
Alcohol	6200, 5095 & 5100: Recommended
Ammonia	6200, 5095 & 5100: Recommended
Bleach	6200, 5095 & 5100: Recommended
IPA	6200, 5095 & 5100: Recommended
Harsh Chemicals	
Gasoline	6200, 5095 & 5100: Test in your application
Grease	6200, 5095 & 5100: Test in your application
Oil	6200, 5095 & 5100: Test in your application
Extreme Chemicals	
Acetone	Not recommended
IR Reflow	Not recommended
MEK	Not recommended
TCE	Not recommended
Xylene	Not recommended

Regulatory Compliance

UL with 5095 and 5100 ribbons; UL-recognized for indoor use

Product Performance and Suitability

Recommended storage conditions	1 year duration when stored at 72° F/22° C at 50% RH
Expected life span in application[3]	Indoor and outdoor up to 3 years

Material Testing in End Application

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.

Warranty

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.

Footnotes

1. When the label is applied, the environment and surface should be above this temperature.
2. Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range.
3. Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated.

Markets and Applications

Manufacturing

- Top-side PCB labeling
- Product identification
- Automotive part labeling
- UL product labeling

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