

Z-Supreme 3000T

Thermal transfer label designed for high-temperature environments

The Zebra Z-Supreme 3000T label is specifically designed for high-temperature environments, capable of withstanding temperatures up to 572°F (300°C) for up to five minutes. This white, matte polyimide label features a high-temperature permanent acrylic adhesive, ensuring it remains securely affixed even under extreme conditions. Its thermal transfer design provides excellent smear and scratch resistance, making it ideal for applications requiring durability and chemical resistance. Additionally, the Z-Supreme 3000T is suitable for wave solder processes used in printed circuit board manufacturing or any other applications in high-temperature, offering an unparalleled solution for labeling in demanding industrial settings.



Unparalleled smear and scratch, excellent durability and chemical resistant

Z-Supreme 3000T labels, when paired with Zebra's 5100 resin ribbon, the result is a high-performance labeling solution that sets a new standard in durability and print quality. This solution is specifically engineered to withstand extreme high-temperature applications, making it an excellent choice for environments where standard labels would fail.

UL-recognized

The Zebra Z-Supreme 3000T label is UL approved with the 5100 ribbon, ensuring it meets rigorous safety and performance standards for industrial applications. This certification provides assurance that the label has been tested and verified for use in environments with strict regulatory requirements, such as electronics and electrical equipment manufacturing. The UL approval highlights the label's ability to maintain compliance in industries where safety, traceability, and quality are critical, making it a trusted solution for high-performance labeling needs.

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.

Customization Available

Zebra can deliver Z-Supreme 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.

Specifications

Material Construction	
RM Number	65080RM
Facestock	White, matte coated polyimide; 2.2 mils
Adhesive	High-temp Permanent Acrylic Adhesive; 1.2 mils
Liner	50 lb. semi-bleached, kraft stock; 3.0 mils
Total Thickness (+/- 10%)	6.4 mils
Environment	Indoor use; Outdoor use up to 2 years
Temperature Performance	
Minimum Application Temperature ¹	50°F / 10°C
Service Temperature Range ²	-40° C to 180° C (-40° F to 356° F)
Recommended Printers and Ribbons	
Printers	Thermal transfer printer (ribbon required); use Zebra mid-range and high-performance thermal printers for optimal performance
Ribbons	Suggested ribbon: 5100 resin ribbon. Use resin ribbons for optimal performance
Time/Temperature Performance	
572°F / 300°C	5 minutes
Chemical Resistance	
Weak Chemicals	
Blood	5100 ribbon: Recommended
Body Fluid	5100 ribbon: Recommended
Salt Water	5100 ribbon: Recommended
Water	5100 ribbon: Recommended
Window Cleaner	5100 ribbon: Recommended
Moderate Chemicals	
Alcohol	5100 ribbon: Recommended
Ammonia	5100 ribbon: Recommended
Bleach	5100 ribbon: Recommended
IPA	5100 ribbon: Recommended
Harsh Chemicals	
Gasoline	5100 ribbon: Recommended
Grease	5100 ribbon: Recommended
Oil	5100 ribbon: Recommended
Extreme Chemicals	

Acetone	Not Recommended
IR Reflow	Not Recommended
MEK	Not Recommended
TCE	Not Recommended
Xylene	Not Recommended
Regulatory and Compliance	
UL approval and compatibility with RoHS compliant processes ensure that your labeling solutions meet the necessary regulatory/safety requirements, offering peace of mind and assurance of quality. BPA and latex free	
Product Performance & Suitability	
Recommended Storage Conditions	72°F / 22°C at 50% RH
Expected Life Span in Application	Indoor and outdoor up to 2 years
Sample Part Number	SAM65080

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 24 hrs) the media will withstand this temperature range.	
3. Following correct application and appropriate dwell time (usually 24 hrs) we expect, but do not warrant, a life span as indicated.	
* Specifications are subject to change without notice.	
*All products should be pre-tested to ensure it meets all intended requirements of specific end-use applications.	

Markets and Applications

- Product identification
- Automotive part labeling
- Top and bottom-side PCB labeling
- Extreme high temperature applications up to 572°F (300°C)





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