Z-Supreme 4000T

Thermal transfer label designed for high-temperature environments

The Zebra Z-Supreme 4000T label is engineered for optimal performance in demanding environments, offering a suite of features that cater to high-temperature and industrial applications. This label is crafted from durable polyimide material, which is ideal for thermal transfer printing, ensuring clear and precise label information. The Z-Supreme 4000T is renowned for its excellent resistance to smears and scratches, ensuring that printed data remains legible even in harsh conditions. Additionally, it boasts superior chemical resistance, making it suitable for environments where exposure to solvents and other chemicals is common.

With the ability to withstand extreme temperatures of up to 572°F (300°C) for up to 90 seconds, this label is a reliable choice for industries such as electronics and manufacturing, where durable and resilient labeling is crucial. Furthermore, the Z-Supreme 4000T is available in a variety of colors, including white, yellow, and green, offering flexibility for color-coded 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.

Unparalleled smear and scratch, excellent durability and chemical resistant

Z-Supreme 4000T 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 4000T 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.

Customization Available

Zebra can deliver Z-Supreme 4000T 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.

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For more information visit www.zebra.com/supplies

Specifications

Material Construction	
RM Number	White (65929RM) / Yellow (66685RM, PMS 127 U) / Green (66687RM, PMS 345 C)
Facestock	White, yellow, or green coated polyimide; 2.7 mils
Adhesive	High-temp Permanent Acrylic Adhesive; 1.7 mils
Liner	50 lb. semi-bleached, kraft stock; 3.2 mils
Total Thickness (+/- 10%)	7.6 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	
500°F / 260°C	5 minutes
572°F / 300°C	90 seconds
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	SAM65929

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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