

8100T Image Lock

Consistent Adhesion in Challenging Environments

The Zebra 8100T Image Lock label is crafted from polypropylene and features a robust, permanent acrylic adhesive that ensures long-lasting adherence to surfaces. The Zebra Image Lock 8100T label is a specialized labeling solution designed for high-performance applications where durability and clarity are paramount. One of its standout features is its exceptional resistance to smudging and abrasion, ensuring that printed information remains legible over time, even in challenging environments. This label excels in environments where exposure to aggressive chemicals is commonplace, enduring the effects of substances like acetone, xylene, toluene, and various other organic solvents with unparalleled resilience.

With a service temperature range extending from -40°F to 212°F (-40°C to 100°C), these labels maintain their integrity and adhesive properties in both extreme cold and high heat conditions. This adaptability ensures reliable performance whether the labels are used in freezing storage environments or hot manufacturing processes.



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.

Versatile and Durable Labeling for Challenging Environments

Tailored for demanding settings such as laboratories and manufacturing facilities, this label offers outstanding print durability even under exposure to harsh chemical conditions. Its adaptability allows it to conform to curved surfaces, such as laboratory tubes, making it an ideal choice for a range of applications. Whether in scientific or industrial environments, the Zebra 8100T Image Lock label demonstrates flexibility and reliability, proving itself indispensable for professionals who require dependable labeling solutions in chemically challenging scenarios.

Enhanced Durability with Image Lock Label and Ribbon Pairing

Pairing the Zebra 8100T Image Lock label with the Image Lock thermal transfer ribbon creates a powerful labeling solution designed for exceptional durability and print quality. This combination ensures that the ink and facestock fuse together, delivering a crisp, clear image that resists smudging and solvents. The synergistic effect of the label and ribbon enhances the label's chemical and abrasion resistance.

Customization Available

Zebra can deliver 8100T Image Lock 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.

8100T Image Lock — Thermal transfer, polypropylene label with a permanent acrylic adhesive

For more information visit www.zebra.com/supplies

Specifications

Material Construction	
Facestock	White polypropylene film; 2.3 mils
Adhesive	High-Performance, acrylic-based; 1.0 mils
Liner	50 lb. semi-bleached, kraft stock; 3.2 mils
Total Thickness (+/- 10%)	6.5 mils
Environment	Indoor and Outdoor use; Outdoor use up to 1 year
Temperature Performance	
Minimum Application Temperature ¹	50°F / 10°C
Service Temperature Range ²	40° F to 212° F / -40° C to 100° C
Adhesive Strength	
Polycarbonate	5 minute dwell time: 40 oz/in 24 hour dwell time: 52 oz/in
Stainless Steel	5 minute dwell time: 60 oz/in 24 hour dwell time: 80 oz/in
Polyethylene	5 minute dwell time: 25oz/in 24 hour dwell time: 30 oz/in
Chemical Resistance	
Weak Chemicals	
Blood	Recommended
Body Fluid	Recommended
Salt Water	Recommended
Water	Recommended
Window Cleaner	Recommended
Moderate Chemicals	
Alcohol	Recommended
Ammonia	Recommended
Bleach	Recommended
IPA	Recommended
Harsh Chemicals	
Gasoline	Recommended
Grease	Recommended
Oil	Recommended

Extreme Chemicals	
Acetone	Test in your application
IR Reflow	Test in your application
MEK	Test in your application
TCE	Test in your application
Xylene	Test in your application
Regulatory and Compliance	
FDA 175.105 for indirect contact with dry foodstuffs, or alternatively separated by a functional barrier. 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 use; Outdoor use up to 1 year
Sample Part Number	SAM10040734
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

- Compliance labeling
- Chemical Container Labeling
- Automotive Parts Labeling
- Product Identification
- Laboratory/Life Sciences Labeling



NA and Corporate Headquarters
+1 800 423 0442
inquiry4@zebra.com

Asia-Pacific Headquarters
+65 6858 0722
contact.apac@zebra.com

EMEA Headquarters
zebra.com/locations
contact.emea@zebra.com

Latin America Headquarters
zebra.com/locations
la.contactme@zebra.com