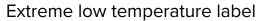
# 8000T CryoCool Label



The 8000T CryoCool label offers exceptional durability and reliability, ensuring that critical information remains intact even under extreme conditions. This is a thermal transfer, polypropylene label with a cold-temp permanent acrylic adhesive. Key benefits include their ability to withstand temperatures as low as -196°C, making them ideal for applications in cryogenic storage, biobanking, clinical trials, pharmaceutical manufacturing, and other scientific research settings where long-term sample integrity is crucial. Additionally, the CryoCool 8000T labels provide excellent resistance to chemicals and abrasion, ensuring that they remain legible and secure throughout various handling processes. With superior adhesive properties, these labels maintain their adherence on a wide range of surfaces, including vials, tubes, and slides, offering peace of mind that important data will not be lost.



## **Excellent Print Quality**

When paired with the 6200-resin ribbon, the 8000T CryoCool provides excellent print quality, durability and readability every time.

### Count on consistently exceptional performance

A barcode that fails to scan jeopardizes patient safety and staff productivity. That's why we design, produce and rigorously pretest our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point quality inspection to ensure consistent quality. You get optimum image durability and scanning performance ensuring first-scan readability even for narrow barcodes.

#### Resistant down to -196° C (-320° F)

Suitable for cryogenic applications, dry ice and gamma radiation, involving a deep freezing process that takes objects down in temperature below -196° C.

#### Outstanding adhesion to small diameter vials

The permanent adhesive holds well on small vials or test tubes, making the 8000T CryoCool ideal for a wide variety of laboratory labeling applications such as sample and specimen labeling.

#### **Customization Available**

Zebra can deliver 8000T CryoCool 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.

Reliably identify lab samples in cryogenic storage with the 8000T CryoCool. For more information, please visit www.zebra.com/barcodesupplies



# **Specifications**

Material Construction		
Raw Material Number	66680RM	
Facestock	White coated gloss polypropylene; 2.3 mil	
Adhesive	Permanent, acrylic-based adhesive; 0.8 mil	
Liner	Semi-bleached, kraft stock; 2.3 mil	
Total Thickness (+/-10%)	5.4 mil +10%	
Environment	Indoor use; cold temperature and cryogenic temperature compatible	
Temperature Performance		
Minimum Application Temperature	-20°F (-29°C)	
Service Temperature Range	-320°F to 190°F -196°C to 88°C	
Recommended Printers and Ribbons		
Printers	Thermal transfer printer (ribbon required); use Zebra desktop and industrial, mid-range and high-range thermal printers for optimal performance	
Ribbons	Recommended: 6200 Standard Resin Ribbon	
Adhesive Strength		
Corrugate	N/A	
Steel	5-minute dwell time: 28 oz 24-hour dwell time: 32 oz	
Polycarbonate	5-minute dwell time: 11 oz 24-hour dwell time: 13 oz	
Polyethylene	5-minute dwell time: 11 oz 24-hour dwell time: 13 oz	
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	Test in your application	
Grease	Test in your application	
Oil	Test in your application	
	1	

Extreme Chemicals	
Acetone	Not Recommended
IR Reflow	Not Recommended
МЕК	Not Recommended
TCE	Not Recommended
Xylene	Not Recommended

#### Regulatory and Compliance

BPA Free and Latex Free

#### Product Performance and Suitability

Recommended storage conditions	1 year duration when stored at 22°C at 50% RH
Expected life span in application	Indoor use: for 1 year+ Outdoor use: up to 6 months
Sample Part Number	SAM66680

#### Material Testing in End Application

This 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 independendently determining if the product conforms to all requirements of their unique application. All products should be pre-tested to ensure they meet all intended requirements of specific end-use applications.

#### 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: <a href="mailto:zebra.com/warranty">zebra.com/warranty</a>

#### Markets and Applications

# Healthcare

- Medical laboratories and specimen labelling
- Universities/ research facilities
- Hospitals and healthcare
- Cold temperature/ industrial manufacturing
- Labeling of samples subjected to freeze-thaw cycles



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