



ZEBRA

8000T CryoCool™

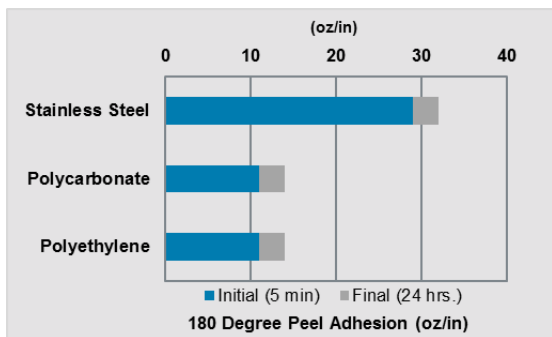
FEATURES

- Thermal transfer, polypropylene label with a cold-temp permanent acrylic adhesive
- -196° C temperature resistance for liquid nitrogen cryogenic applications.
- Excellent smear/scratch resistance
- Good durability and chemical resistance
- Cryogenic applications involving a deep freezing process that takes objects down in temperature below -151° C (-240° F)
- 8000T CryoCool will also withstand conditions such as dry ice (-80° C, -112° F), steam autoclave and gamma radiation
- Available in white (66680RM)

MATERIAL CONSTRUCTION

Component	Description	Caliper
Facestock	White coated gloss polypropylene	2.3 mil
Adhesive	Permanent, acrylic-based	0.8 mil
Liner	40 lb. semi-bleached, kraft stock	2.3 mil
TOTAL ± 10%		5.4 mil

ADHESIVE STRENGTH



TEMPERATURE PERFORMANCE

Minimum Application Temperature	Service Temperature	Optimal Storage Conditions
-20° F (-29° C)	-320° F to 190° F (-196° C to 88° C)	72° F (22° C) at 50% RH

Expected Exterior Life
6 months

CHEMICAL RESISTANCE

	Chemical	Suggested Ribbon
		6200
Weak	Blood	●
	Body Fluid	●
	Salt Water	●
	Water	●
	Window Cleaner	●
Moderate	Alcohol	●
	Ammonia	●
	Bleach	●
	IPA	●
Harsh	Gasoline	●
	Grease	●
	Oil	●
Extreme	Acetone	NR
	IR Reflow	NR
	MEK	NR
	TCE	NR
	Xylene	NR

● Recommended ● Test in Your Application NR Not Recommended

SUGGESTED APPLICATIONS

- Hospitals



All products should be pre-tested to ensure it meets all intended requirements of specific end-use applications.

For more information, visit www.zebra.com/supplies

Product Performance and Suitability: 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.

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Test Procedure

Labels were applied to glass vials (2.8 cm OD), polypropylene centrifuge tubes (3.5 cm OD, 50ml) and glass microscope slides and allowed a 24 hour dwell time before exposure to above conditions.

Environment	Test Method	Typical Results
High Temp.	30 days at listed temperature	No visible effect at 90 C (194F)
LowTemp.	30 days at -70 C (-94 F)	No visible effect
Freezer	3 cycles of 16 hours at -70 C (-94 F)/ 8 hours at room temp	Glass vial: recommended PP centrifuge tube: Recommended Glass microscope slide :Recommended Flat PP: Recommended
Pressure Cooker	3 cycles of 1 hour in 121 C (250 F) 15 psi pressure cooker/ 23 hours room temperature	Glass vial: Recommended PP centrifuge tube: Recommended Glass microscope slide: Recommended Flat PP: Recommended
Liquid Nitrogen	3 cycles of 4 hours at – 196 C (-320 F)/ 20 hours at room temperature	Glass vial: Recommended PP centrifuge tube: Recommended Glass microscope slide: Recommended Flat PP: Recommended
Freezer to boiling water	1 hour at -70 C (-94 F) then placed in boiling water 100 C (212 F)	Glass vial : Not recommended PP centrifuge tube: Recommended Glass microscope slide: Recommended Flat PP: Recommended
Liquid Nitrogen to boiling water	1 hour at -196 C (-320 F) then placed in boiling water 100C (212 F) for 10 minutes	Glass vial : Not Recommended PP centrifuge tube: Recommended Glass microscope slide: May work, must test Flat PP: Recommended

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