



ZEBRA

8000T Low-Temp Matte

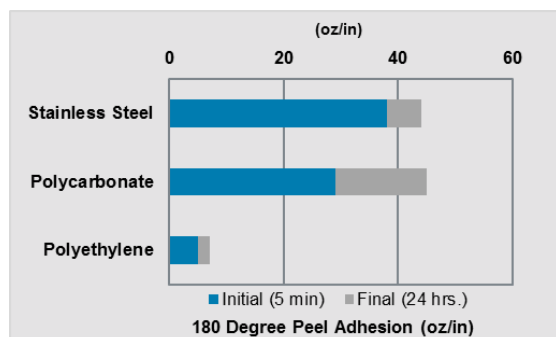
FEATURES

- Thermal transfer, matte polyolefin label with a cold-temp permanent acrylic adhesive
- Offers -112° F performance for low-temperature use; provides resistance to repeated freeze and thaw cycles
- Some smear/scratch and chemical resistance
- Very good resistance to dirt, blood, and water
- Excellent conformability to tight diameters
- Available in white (05227RM)

MATERIAL CONSTRUCTION

Component	Description	Caliper
Facestock	White corona-treated polyolefin	3.5 mil
Adhesive	Permanent, acrylic-based	0.8 mil
Liner	50 lb. semi-bleached, kraft stock	3.2 mil
TOTAL ± 10%		7.5 mil

ADHESIVE STRENGTH



TEMPERATURE PERFORMANCE

Minimum Application Temperature	Service Temperature	Optimal Storage Conditions
50° F (10° C)	-112° F to 200° F (-80° C to 93° C)	72° F (22° C) at 50% RH

Expected Exterior Life

1 year

CHEMICAL RESISTANCE

Chemical		Suggested Ribbon	
		6100	3200
Weak	Blood	●	●
	Body Fluid	●	●
	Salt Water	●	●
	Water	●	●
	Window Cleaner	●	●
Moderate	Alcohol	●	●
	Ammonia	●	●
	Bleach	●	●
	IPA	●	●
Harsh	Gasoline	●	●
	Grease	●	●
	Oil	●	●
Extreme	Acetone	NR	NR
	IR Reflow	NR	NR
	MEK	NR	NR
	TCE	NR	NR
	Xylene	NR	NR

● Recommended ● Test in Your Application NR Not Recommended

SUGGESTED APPLICATIONS

- Medical labs



- Hospitals



- Cold temp industrial/manufacturing applications



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

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Cold Temperature Testing Results:

Condition	Adhesive Durability	Maximum Flagging	Print Quality	Peel from vial (avg. oz/in)
Room temperature	No Change	1mm	No Change	31
Thermal Cycled Labels	No Change	1mm	No Change	26

Test Procedure:

Thermal cycled samples went through six freezing (-80C +/- 4C for 22 hours) and thawing (23 C +/- 2C) cycles. At the appropriate time, they were pulled every cycle for immediate inspection and one-hour room temperature testing. They were returned to the freezer two hours after being pulled for evaluation.

Cryogenic Vials:

5ml cryogenic vials from Nalgene Cryoware Catalog #5000-0050, Lot#311770 Vials filled with 2.5 ml of saline solution and capped.

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