



ZEBRA

Z-Ultimate 4000T Resist

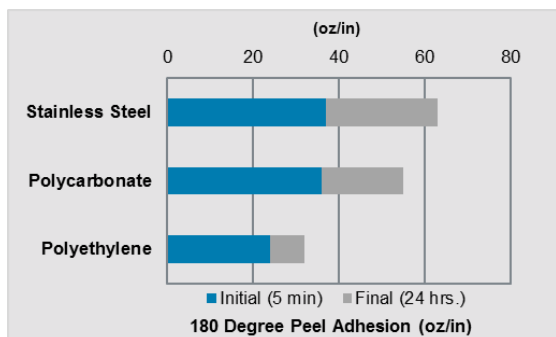
FEATURES

- Thermal transfer, gloss polyester label with a high-performance permanent acrylic adhesive
- Unparalleled smear/scratch resistance
- Excellent durability and chemical resistance
- Meets automotive wire-harness durability requirements when using 6200 or Image Lock resin ribbons
- Available in white (10026487RM)

MATERIAL CONSTRUCTION

Component	Description	Caliper
Facestock	White coated polyester	2.0 mil
Adhesive	Permanent, acrylic-based	1.0 mil
Liner	50 lb. semi-bleached, kraft stock	3.2 mil
TOTAL ± 10%		6.2 mil

ADHESIVE STRENGTH



TEMPERATURE PERFORMANCE

Minimum Application Temperature	Service Temperature	Optimal Storage Conditions
50° F (10° C)	-40° F to 302° F (-40° C to 150° C)	72° F (22° C) at 50% RH

Expected Exterior Life

3 years

SUGGESTED APPLICATIONS

- Product identification



- Automotive labeling



CHEMICAL RESISTANCE

	Chemical	Suggested Ribbon		
		6200	5095	Image Lock
Weak	Blood	●	●	●
	Body Fluid	●	●	●
	Salt Water	●	●	●
	Water	●	●	●
	Window Cleaner	●	●	●
Moderate	Alcohol	●	●	●
	Ammonia	●	●	●
	Bleach	●	●	●
	IPA	●	●	●
Harsh	Gasoline	●	●	●
	Grease	●	●	●
	Oil	●	●	●
Extreme	Acetone	NR	NR	NR
	IR Reflow	NR	NR	NR
	MEK	NR	NR	NR
	TCE	NR	NR	NR
	Xylene	NR	NR	NR

● Recommended ● Test in Your Application NR Not Recommended

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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Additional detail on wire-harness testing performed with 6200 and Image Lock ribbons-

- Salt Spray test - DIN/EN ISO 9227-NSS/B117 (1008 hrs)
- Condensation Chamber Test – DIN/EN ISO 6270-2-CH (6 weeks)
- Corrosion Cycle Test – VDA 621-415 (8 weeks)
- Adhesion testing – FTM1
- Adhesion to print/inscription – DIN 58196-6
- Abrasion test – Imprint (CS17 wheel / 500g load / 40 cycles)
- Chemical stability – DIN 30 643-A-B-2
- Fam Test Fuel, Diesel Fuel, Brake Fluid, Anti-Freeze, Engine Oil, Ethanol, Cleaning Solvent, Oils/Grease, Acetone
- UV Resistance/Stability – PV1323
- Thermal Stability for print/inscription – (-40 C to 150 C)
- Thermal Cycling Test for print/inscription
- Flag (Adhesive to Adhesive) testing – 168 hr @ 50 C, 168 hr @ 38 C and 85% RH, 168 hr @ -20 C
- Shock Test – 5 cycles, 24 hr @ 80 C, 24 hr @ -40 C
- Storage Test for print/adhesive – 192 hrs @ 120 C

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