

# Z-Ultimate 4000T

## Thermal transfer gloss polyester label

Thermal transfer gloss polyester label designed with a high-performance permanent acrylic adhesive, this product boasts unparalleled smear and scratch resistance. It offers excellent durability and chemical resistance, making it ideal for challenging environments. The label is engineered to withstand repeated freeze and thaw cycles, ensuring consistent performance. Its topcoating is suitable for fanfolding, providing versatility in handling and application. Moreover, it meets FDA 175.105 requirements for indirect food contact, enhancing its suitability for food-related uses. Available in white (05219RM), silver (05571RM), and clear (05061RM), this label offers a range of options to meet diverse labeling needs.



### UL Certified Labeling Solution

Z-Ultimate 4000T white and silver labels, combine with the 5095 and 5100 ribbons have been fully tested and certified by UL. In addition, Zebra Supplies manufacturing plants are authorized to pre-print the UL mark.

### Customization Available

Zebra can deliver Z-Ultimate 4000T labels in multiple configurations to support your business needs.

### Features

- Thermal transfer, gloss polyester label with a high-performance permanent acrylic adhesive
- Unparalleled smear/scratch resistance
- Excellent durability and chemical resistance
- Resistance to repeated freeze and thaw cycles
- Topcoating is suitable for fanfolding
- Meets FDA 175.105 for indirect food contact requirements
- Available in white (05219RM), silver (05571RM), clear (05061RM)

**Thermal transfer gloss polyester label**  
For more information, visit [www.zebra.com/supplies](http://www.zebra.com/supplies)

Specifications

Material Construction	
Facestock	White, silver, or clear coated polyester. Caliper 2.0 mil
Adhesive	Permanent, acrylic based. Caliper 0.8 mil
Liner	50 lb. semi-bleached, kraft stock. Caliper 3.0 mil
Facestock Tensile Strength	
Machine Direction	18,000 psi
Transverse Direction	22,000 psi
Temperature Performance	
Minimum Application Temperature	50 °F (10 °C)
Service Temperature	-40 °F to 302 °F -40 °C to 150 °C
Optimal Storage Conditions	72 °F (22 °C) at 50% RH
Expected Exterior Life	3 years
Chemical Resistance	
Weak	
Blood	Recommended
Body Fluid	Recommended
Salt Water	Recommended
Water	Recommended
Window Cleaner	Recommended
Moderate	
Alcohol	Recommended
Ammonia	Recommended
Bleach	Recommended
IPA	Recommended
Harsh	
Gasoline	Test in Your Application
Grease	Test in Your Application
Oil	Test in Your Application
Extreme	
Acetone	NR
IR Reflow	NR
MEK	NR
TCE	NR
Xylene	NR

Facestock Tensile Strength	
Stainless Steel	Initial 5 min: 38
	Final 24 h: 45
Polycarbonate	Initial 5 min: 28
	Final 24 h: 45
Polyethylene	Initial 5 min: 12
	Final 24 h: 14
Regulatory Compliance	
Z-Ultimate 4000T White and Silver with 5095 and 5100 ribbons is UL-recognized for indoor/outdoor use	
All products should be pre-tested to ensure it meets all intended requirements of specific end-use applications	

Markets and Applications

- Automotive Labelling
- Product Identification
- Product Labelling



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