



ZEBRA

Z-Perform 1500T

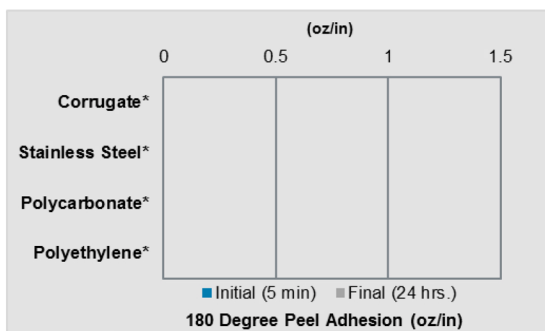
FEATURES

- Thermal transfer, smooth paper label with a permanent acrylic adhesive
- Recommended for printing applications up to 14 inches per second
- Suitable for fanfolding
- Meets FDA 175.105 for indirect food contact requirements
- Available in white (10017767RM)

MATERIAL CONSTRUCTION

Component	Description	Caliper
Facestock	White smooth topcoated paper	2.6 mil
Adhesive	Permanent, acrylic-based	0.6 mil
Liner	40 lb. semi-bleached, kraft stock	2.4 mil
TOTAL ± 10%		5.6 mil

ADHESIVE STRENGTH



*Attraction between adhesive and surface is so great that the facestock rips.

TEMPERATURE PERFORMANCE

Minimum Application Temperature	Service Temperature	Optimal Storage Conditions
25° F (-4° C)	0° F to 180° F (-18° C to 82° C)	72° F (22° C) at 50% RH

Expected Exterior Life

Not recommended for outdoor use

CHEMICAL RESISTANCE

		Suggested Ribbon		
		6000	2000	6100
Weak	Blood	●	●	●
	Body Fluid	●	●	●
	Salt Water	●	●	●
	Water	●	●	●
	Window Cleaner	●	●	●
Moderate	Alcohol	NR	NR	NR
	Ammonia	NR	NR	NR
	Bleach	NR	NR	NR
	IPA	NR	NR	NR
Harsh	Gasoline	NR	NR	NR
	Grease	NR	NR	NR
	Oil	NR	NR	NR
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

SUGGESTED APPLICATIONS

- Labeling of packaging material



- Compliance labeling



- Work in process



- Food labeling



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.

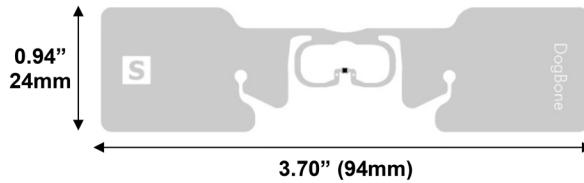


ZEBRA

Smartrac DogBone UCODE 8 Inlay

DETAILS

- Advanced Inlay
- Optimized to be read from nearly any angle
- Performs well when placed on or near challenging materials (i.e. pallets, freight)
- Pre-tested with Zebra printers and readers
- Applications: Case / Pallet, Freight, Assets



SUGGESTED APPLICATIONS

- Case/pallet labeling



- Transportation & Logistics



- Warehouse labeling



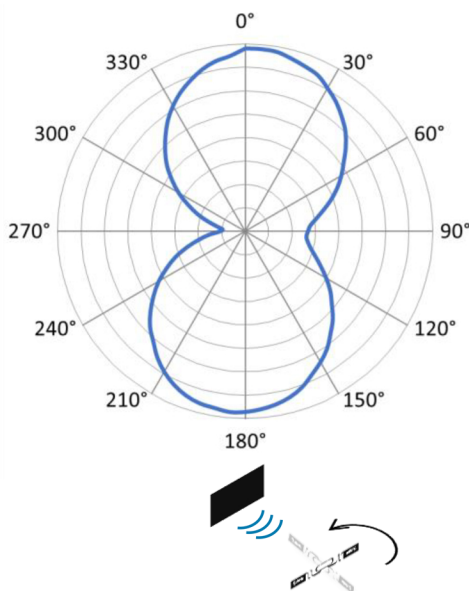
TECHNICAL INFORMATION

- Chip: NXP UCODE 8
 - Extreme high sensitivity chip with read ranges of up to 20m
 - EPC memory: 128 bit
 - User memory: N/A
 - TID: 96 bit factory locked (48 bit unique)
 - Read Sensitivity: -23dBm
 - Write Sensitivity: -18dBm
 - UHF RFID, EPC Gen2v2, ISO 18000-63, RAIN RFID
- Extreme high sensitivity: read range up to 19m in free space

THEORETICAL** READ RANGES ON VARIOUS SURFACES (m)

Material	ETSI (865-868 MHz)	FCC (902-928 MHz)
Air	19	16
Cardboard	14	12
Fiberglass	11	12
Glass	13	15
PTFE	14	12
Polyacetyl	12	11
PVC	12	12
Rubber	11	12

RADIATION PATTERN*



* Read range drops to 20% of maximum when inlay is perpendicular (90° and 270°) to the reading antenna.

**Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.



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