

RFID Life Vest Tag

RFID FOR AEROSPACE/AVIATION

The RFID Life Vest Tag reduces both time and labor from hours to just minutes with increased accuracy while improving daily presence checks and expiration date inspections with our RFID Life Vest Tags.

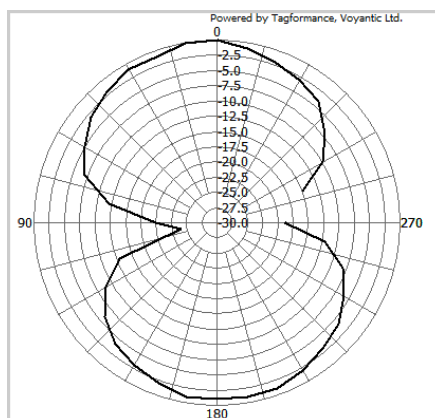
Material and Design Specifications

- Overall dimensions 4" x 0.625" x 0.0064" (101.6 x 15.88 x 0.16 mm) is the standard size, other sizes available
- .0008" (0.8 mil) thick permanent pressure sensitive adhesive
- 0.0023" (2.3 mil) white polypropylene
- Rated for moderate to harsh indoor environments
- Material is produced blank/no encoding **optional Service Bureau thermal transfer printing from Metalcraft
- Black printer sense marks on liner backing available

Technical Specifications

- **Read Range:** Up to 30 ft. (9.14 m)
- **RF protocol:** EPC Global Class 1 Gen 2
- **Frequency:** FCC 860-960 MHz
- Multiple IC options available

Radiation Pattern



Key Features

- Up to 30 ft. (9.14 m) read range
- Complies with SAE AS5678B
- Can include a dual-record format that allows you to store birth record and serial data while the remaining lifecycle and maintenance data is unlocked
- Customizable with company logos, messaging, barcodes and more

Applications

- Aerospace/Aviation Industry

Ribbon Recommendations

- Wax/Resin DNP TRX-50
- Wax/Resin IMP General Purpose
- Full Resin DNP V300
- Full Resin DNP TR4070

Environmental Specifications

- Minimum Application Temperature -20° F (-28.9 °C)
- Temperature Range: -65° F to +185° F (-53.9 to 85 °C)
- UV Resistance: Recommend indoor use only
- Chemical Resistance: Excellent resistance to strong acids and alkaline solutions. Mild to moderate resistance to cleaning chemicals and solvents. Avoid exposure to acetone.

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the tags in the environment in which they will be used.

Chemical Resistance: Tags immersed in ambient room temperature conditions with inspection at time intervals noted below

Product - Immersion Time and Sample	Water	Salt Water	Bathroom Cleaner	Glass Cleaner	Isopropanol Alcohol	Brake Fluid	Acetone	Diesel Fuel	Nitric Acid	Hydrochloric Acid	Sodium Hydroxide
Life Vest - 2 Hours	NE	NE	NE	NE	AO, ER	TTO	AO, ER	AO, ER	NE	NE	NE
Life Vest - 24 Hours	NE	NE	NE	NE	AO, ER	TTO	AO, ER	AO, ER	NE	NE	NE
Life Vest - 48 Hours	NE	NE	NE	AO, ER	AO, ER	TTO	AO, ER	AO, ER	NE	NE	NE
Key	NE = No Effect, AO = Adhesive Ooze, AL = Loss of Adhesion to Glass Panel, TD = Tag Delaminated, ER = Thermal Transfer Print Erosion, TTO = Thermal Transfer Image Wipes Off										

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.
2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.
4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive seating.



Industry Compliance

