



Metalcraft's RFID Bale Tag is the ideal solution for tagging and tracking any type of bale. Whether it's for agricultural, cardboard, printing, recycling materials, fabrics or non-wovens, the RFID Bale Tag can easily be attached to any type of bale.

The tag's polymer construction protects the text and RFID inlay from the elements providing superior tag stability, durability and performance compared to other paper-based RFID tags. The 5/16" nickel grommet gives additional strength to the tag to ensure tags cannot tear away due to wind or weakening around the attachment point from moisture or wear. Available in a wide variety of colors, each tag can be custom-printed to meet any design specification and provide high-contrast and visibility on any bale.

**Material and Design Specifications**

- Overall dimensions - 6" x 3.5" (152.4 x 88.9 mm)
- Hang Tag - No Attachment Adhesive
- .002" (0.051 mm) polypropylene, .001" (0.025 mm) polyester over laminate
- Features digital printing for complex details/logos

**Technical Specifications**

- **RF Protocol in UHF** EPC Global ISO 18000-6C
- **Frequency** 860-960 MHz
- **Affixing Method:** Various mechanical fasteners
- **IC Type:** Various (Inlay-dependant)
- **Chip Memory:** Various (Inlay-dependant)
- **Read range** up to approximately 27 ft. (8.23 m) in free air

**RFID Bale Tag**

HANGING TAGS

**Key Features**

- Ideal for bale attachment and tracking
- Removable and reusable - creates more ROI
- Made of durable polymer materials
- Compatible with RFID Tracking Software

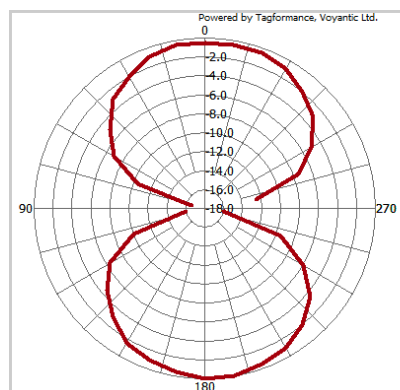
**Applications**

- Asset Tracking
- Agricultural Bales
- Cotton, Hay and Straw
- Bales of Plastic
- Cardboard Recycling

**Environmental Specifications**

- Operating Temperature Range: -40 °F to 185 °F (-40 to 85 °C)
- UV Resistance: Indoor/outdoor use (for up to one year)
- Chemical Resistance: Excellent resistance to strong acids like nitric acid and hydrochloric acid and strong alkalines such as sodium hydroxide. It can withstand exposure to mild and moderate chemicals such as glass cleaners but exposure to acetone should be avoided.

**Radiation Chart**



\*Standard inlay pattern, will vary with custom inlay options.

## 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 labels in the environment in which they will be used.

**Chemical Test Summary: Test of label structure and printed image as well as the readability of the inlay. 24-hour soak test conditions were used. NE = No Effect**

Product (Time)	Water	Glass Cleaner	Bathroom Cleaner	Alcohol	Acetone	NaOH	Nitric Acid	Hydrochloric Acid	Brake Fluid	Diesel
RFID Bale Tag (24 Hours)	NE	NE	NE	NE	DE	NE	NE	NE	NE	NE

Key: NE - No Effect, DE - Delaminated

## Industry Compliance

