



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 because of wind or weakening around the attachment point from moisture or wear. Available in a wide variety of color's, each tag can be custom printed to meet any design specification and provide high contrast and visibility on any bale.

## Features

Ideal for bale attachment and tracking  
Removable and reusable – creates more ROI  
Made of durable polymer materials

## Product Print Options

Barcode . Data Matrix . QR Code .  
RFID . Serial Number . Text

## Product Functionality

Abrasion Resistance . Chemical Resistance . Heat Resistance .  
UV/Outdoor Durability

## Popular Applications

Agriculture . Warehouse / Distribution Centers . Manufacturing

## Category

RFID Tags

## Specifications Data

|                   |   |
|-------------------|---|
| <b>Material</b>   | <b>.002" polypropylene, .001 polyester over laminate</b>  |
| Serialization     | Bar code and human-readable equivalent is produced using the latest high-resolution digital technology available, which provides excellent clarity and easy scanning. Code 39 is the standard symbology with a range of 2.7 to 9.4 CPI (characters per inch). Optional symbologies are available. |
| Label Copy        | The label copy may include block type, stylized type, logos or other designs  |
| Colors            | Standard colors include black, red, yellow, green, dark blue, orange, purple or blue. Custom spot colors are also available at no additional charge. Due to contrast needed for the bar code scanner, all bar codes are black.  |
| Standard Adhesive | Hanging tag   |
| Frequency Range   | 860-960 MHz   |
| Sizes             | 6" x 3.5"   |
| Packaging         | Shipped in "work-out- of" cartons for convenient application.   |
| Shipment          | 14 business days  |

## Chemical Testing

Chemical Soak Test Results (24 hours): Test of label structure and printed image as well as readability of inlay.

### Chemical Test Data

| Test conditions  | Result                        |
|------------------|-------------------------------|
| Water            | no effect                     |
| Glass cleaner    | no effect                     |
| Bathroom cleaner | no effect                     |
| Alcohol          | no effect                     |
| Acetone          | Delaminated, inlay unreadable |
| NaOH             | no effect                     |
| Nitric acid      | no effect                     |

## Read Range Testing

In many cases the tags read intermittently for longer distances than those indicated, however, the results reported below were for continuously responding reads.

### Read Range Test Data

Anechoic chamber results

| Sample  | Metal   | Plastic | Cardboard | Wood    | Free Air |
|---------|---------|---------|-----------|---------|----------|
| Average | 15 feet | 8 feet  | 8 feet    | 12 feet | 27 feet  |