



Features

Ideal for asset tracking using passive RFID technology on non-metal surfaces
Made of flexible polyester material
Digital printing process provides for greater print capability with detailed logos or special designs
Read range 18 to 20ft* mounted to non-metal surface
Meets EPCglobal Gen2 (V 1.2.0) as well as ISO/IEC 18000-6C:2004 / Amd 1:2006 (type C and update of Types A and B).
Compatible with RFID Tracking Software

Product Print Options

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

Product Functionality

Abrasion Resistance . Chemical Resistance . Heat Resistance

Popular Applications

Inventory . Restoration . Wineries / Breweries . Hospitals

Category

Manufacturing - RFID . Information Technology - RFID . Medical - RFID . Warehouse - RFID . Equipment Rental - RFID . Education - RFID . Asset Tracking - RFID . Tool Tracking - RFID . Work-in-Process - RFID . RFID for Plastic Surfaces

Perfect for tracking returnable containers such as pallets, crates or totes, Metalcraft's Standard RFID Tag attaches directly to non-metal assets. The tag's construction protects the inlay by sealing it from environmental conditions that could affect the RFID tag's performance while subsurface printing includes variable data such as barcode and/or human readable numbers.

All Metalcraft RFID tags are designed with our proven durability, ready to withstand repeated usage in rugged environments, generating a greater ROI for your business. Each tag can be programmed to match the variable information printed on the label. Subsurface digital printing is available which ensures crisp details on even the most complex logos for maximum clarity. Four color processing is available for limitless color and design options.

Specifications Data

Material	Polyester
Serialization	Barcode and human-readable equivalent is digitally printed – providing 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 linear and 2D symbologies available. Although this product is primarily marketed as a bar code product, we can produce it with human-readable numbers only or unserialized.
Label Copy	The label copy may include block type, stylized type, logos or other designs
Colors	Standard colors include black, red, yellow, green 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	High performance adhesive
Frequency Range	860-960 MHz
Sizes	4.125" x 0.75"; 4.5" x 1"; 2" x 1"
Packaging	Produced and shipped in roll form.

Chemical Testing

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

Destructive Testing

Destructive Test Data

Temperature Testing

Temperature Test Data

Read Range Testing

Tag has a read range of 18-20* ft using Motorola AR400 reader at 24 dbm (1/4 of maximum reader power)

Read Range Test Data

Barcode Readability Testing

Barcode Readability Test Data

Abrasion Testing

Abrasion Test Data

Label Adhesion Testing

Label Adhesion Test Data

Pull Testing

Pull Test Data
