

Universal MC Pro RFID Tag



A versatile and affordable RFID tag made in the USA to fit a wide array of on-metal and standard applications.

Features

Preprinted or blank for thermal transfer print and encoding on site
IP68 rated
Preprinted tags include a handy tag dispenser
Next-day shipping for blank tags

Product Functionality

Abrasion Resistance . Chemical Resistance
Heat Resistance

Popular Applications

Government . Inventory . Hospitals . IT Assets
Manufacturing . Schools

Category

On Metal RFID . Printable RFID . RFID Transmitters
Universal RFID

Specifications Data

Material

Polyester

Serialization

All alphanumeric bar codes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence. Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard. Other bar code symbologies include Code 128, I 2 of 5, 2D DataMatrix and QR Code.

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

2 x 1

Packaging

Produced and shipped in roll form.

Shipment

14 business days



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Chemical Testing

All tags still read post exposure. Isopropyl alcohol sample had 1/4" of edge erosion of adhesive on PET face sheet after 48 hours.

Chemical Test Data

| Length of immersion | DI water | Salt water 5% | Bathroom cleaner | Glass cleaner | Diesel fuel | Brake fluid | Acetone | Isopropyl alcohol | Nitric acid | Hydrochloric acid |
|---------------------|-----------|---------------|---------------------------------|---------------|---------------|-------------|-----------------|-------------------|------------------------|-------------------|
| 2 hours | no effect | no effect | no effect | no effect | no effect | no effect | adhesive ooze | no effect | no effect | no effect |
| 24 hours | no effect | no effect | no effect | no effect | adhesive ooze | no effect | adhesive ooze | adhesive ooze | no effect no effect | no effect |
| 48 hours | no effect | no effect | loss of adhesion to glass panel | no effect | adhesive ooze | no effect | tag delaminated | adhesive ooze | no effect | no effect |

Destructive Testing

Tag materials withstand 2000 hrs. of exposure to UV-340a fluorescent lamps with a continual exposure cycle consisting of 8 hours of lamp exposure followed by 8 hours of condensation with no UV lamp exposure. Certain printed copy colors such as red and yellow exhibit fade.

Read Range Testing

Read Range Test Data

| Sample | Metal | Plastic | Cardboard | Wood | Glass | Fabric |
|---------|------------|-----------|-----------|-----------|-----------|-----------|
| Average | 15.05 feet | 4.68 feet | 5.22 feet | 5.39 feet | 4.81 feet | 5.00 feet |