



Features

Customizable
 Low profile
 High-performance adhesive
 No foam standoff needed
 Thermal-transfer receptive material can be printed on site
 Self-tuning chip

Product Print Options

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

Product Functionality

Abrasion Resistance . UV/Outdoor Durability

Popular Applications

Race timing

Category

RFID Tags

Specifications Data

Material Polypropylene

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" x 1.25"

Packaging Produced and shipped in roll form.

Shipment 14 business days

Chemical Testing

All inlays still reading after 48 hours of exposure - even when wet.

Chemical Test Data

	Water	Salt Water	Bathroom Cleaner	Glass Cleaner	Isopropanol	Brake Fluid	Acetone	Diesel Fuel	Nitric Acid	Hydrochloric Acid	Sodium Hydroxide
2 hours	NE	loss of adhesion to glass panel	loss of adhesion to glass panel	loss of adhesion to glass panel	Tag delaminated	No effect	Loss of adhesion to glass panel,tag delaminated	adhesive ooze	loss of adhesion to glass panel	loss of adhesion to glass panel	loss of adhesion to glass panel
24 hours	No effect	loss of adhesion to glass panel	loss of adhesion to glass panel	loss of adhesion to glass panel,tag delaminated	Tag delaminated	No effect	loss of adhesion to glass panel,tag delaminated	Adhesive ooze	loss of adhesion to glass panel	loss of adhesion to glass panel	loss of adhesion to glass panel
48 hours	Tag delaminated	loss of adhesion to glass panel,Tag delaminated	loss of adhesion to glass panel,Tag delaminated	loss of adhesion to glass panel,Tag delaminated	loss of adhesion to glass panel,Tag delaminated	loss of adhesion to glass panel	loss of adhesion to glass panel,Tag delaminated	Adhesive ooze,Tag delaminated	loss of adhesion to glass panel	loss of adhesion to glass panel	loss of adhesion to glass panel

Temperature Testing

Samples exposed to each temperature for 1 hour. *Sample started to melt, but inlay was still reading and read after exposure to 350F. After exposure to 400F, inlay would not read.

Temperature Test Data

150F	200F	250F	300F	350F	400F
No effect	Sample shrinking, adhesive ooze at edges	Sample shrinking, adhesive ooze at edges	Tag melted/destroyed*	Tag melted/destroyed	Tag melted/destroyed

Read Range Testing

Real world testing showed a read range of 28 feet with a Motorola MC9090 handheld reader set to 30 dbm.