



# Metalized Polyester IUID Labels

## IUID LABEL AND TAG LINE

Our Metalized Polyester IUID labels are durable, flexible and highly resistant to abrasion, grease, oils and a broad range of solvents and extreme temperatures.

### Material and Design Specifications

- 0.002" (0.06 mm) thick silver polyester
- Standard adhesive: 0.002" (0.06 mm) high performance permanent acrylic MC78 adhesive that is particularly suited for a wide range of polyolefin and other low-surface energy materials.
- Standard adhesive construction features a 0.002" (0.06 mm) clear PET overlamine. Optional adhesive construction features a 0.001" (0.03 mm) clear PET overlamine.
- 0.0008" (0.021 mm) economical, low-temperature permanent acrylic MC20 adhesive option available.
- Sizes: Various sizes are available

### Technical Specifications

- Barcode & Serialization: Barcode and human-readable equivalent are 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 include Code 128, I 2 of 5, 2D DataMatrix and QR Code
- IUID compliant: ISO 15415 & MIL-STD-130N

### Key Features

- Highly resistant to abrasion, temperature, chemical and environmental conditions
- Excellent adhesion to a range of textured metals, powder-coated surfaces and plastics
- Available in a range of label size dimensions
- Expertise in working with IUID spec from an established company with a reputation for durable and reliable products

### Applications

- Asset Tracking
- Government/Military
- Outdoor/Industrial

### Environmental Specifications (Standard Adhesive)

- Minimum Application Temperature +50 °F (10 °C)
- Temperature Range: -40 °F to +302 °F (-40 to +150 °C)
- UV Resistance: Up to 5 years outdoors, up to 10 years outdoors with the ColorFast™ option
- Chemical Resistance: Excellent resistance to solvents and oils, combustible and flammable chemicals and a wide variety of cleaners

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

Chemical Resistance Data: Samples were immersed in chemicals noted below in room temperature conditions with checks for defects after 2, 24, 48 hours. MC78 0.002" (0.06 mm) adhesive and 0.002" (0.06 mm) PET overlaminate

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	NE	NE	NE	NE	NE	AO	AO	NE	NE	NE
24 Hours	NE	NE	NE	NE	NE	AO	AO	AO	NE	NE	NE
48 Hours	NE	NE	NE	NE	NE	NE	TD, ER	AO	NE	NE	NE

Key: NE - No effect, AO - Adhesive ooze, TD - Tag delaminated, ER - Printed image eroded/dissolved, PE - Print erosion under laminate

### Heat Resistance

Metalized Polyester IUID Labels

350 °F (176.7 °C) for 1 Hour

### Abrasion Resistance

Metalized Polyester IUID Labels - Per ASTM G195 using CS-10 abrading wheels with a 1,000 g. total load:

Survived 15,000 revolutions

## Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc. debris that may affect adhesion.
2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.
4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive sealing.

## Industry Compliance

