




Metalized Polyester Barcode Labels have the appearance of metal without the accompanying price tag. These silver polyester asset labels are digitally printed, which allows for crisp, clean company logos as well as consistent, reliable barcode scans. The .002" thick acrylic adhesive ensures a strong aggressive bond to most low surface energy plastic and metal applications.



Our Metalized Polyester Barcode Labels are available with our ColorFast™ option - a Tedlar® laminate that extends outdoor exposure for up to 10 years! Contact Metalcraft at 1-800-437-5283 or 641-423-9460 for more details.

Metalized Polyester Barcode Labels

BARCODE LABEL LINE

Key Features

- Metalized silver polyester designed to look and perform like foil.
- Adhesive bonds well to plastics and metal surfaces
- Digital printing process ensures barcode readability as well as crisp, clean company logos
- Appearance of metal without the cost
- Polyester overlamine ensures long-lasting life of the tag
- EU REACH and RoHS compliant
- Ideal for identification and metal product asset tracking
- IUID compliant: ISO 15415 & MIL-STD-130N

Material and Design Specifications

- 0.002" (0.06 mm) thick silver polyester material
- Overall dimensions - various sizes available
- 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.
- Features digital printing for complex details/logos
- Serialized/unserialized numbers and barcodes with human readable numbers

Technical Specifications

- All alphanumeric barcodes are digitally printed with human-readable equivalent to guarantee no skips in sequence
- Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard
- Other barcode symbologies include Code 128, 1 2 of 5, 2D DataMatrix and QR Code. OCR characters and CPIs also available

Applications

- Asset Tracking
- Tool Tracking
- Work-in-Process
- Product Identification

Environmental Specifications

- 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 labels 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. Standard Tag: MC78 0.002" (0.06 mm) adhesive and 0.002" (0.06 mm) PET overlamine.

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 Barcode Labels

350 °F (176.7 °C) for 1 Hour

Abrasion Resistance

Metalized Polyester Barcode 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



intertek