Foil Bar Code Labels

Durability, reliability and versatility – all in one product!
Foil Bar Code Labels are ideal for customers who require a flexible label that will conform to most surfaces, yet need a product that will withstand harsh conditions including chemicals, abrasion, solvents, and high temperatures.

Foil Bar Code Labels are available with or without a bar code. Black copy, logos and bar codes are photographically reproduced for maximum clarity and detail and then sealed within the anodic layer of the aluminum – ensuring accurate and reliable reads for years to come. Optional second colors are screen printed.

This product is just as effective in the office of a manufacturing plant as it is on the production floor. Uses and applications for this product are limited only by the customer's imagination and with approximately 200 die sizes, chances are very likely we will have just the size you need. From tool control to calibration to original equipment identification, Foil Bar Code Labels are more than up to the challenge.

Key Product Features

- Conforms easily to radius surfaces
- Photographically reproduced black copy, logos and bar codes ensure accurate and reliable reads
- Anodizing process protects black copy, logos and bar codes from chemicals, abrasion and high temperatures
- Adhesives specially matched to surface for maximum adhesion
- Nearly 200 sizes means no extra tooling charge

Not sure what product you need?
Call our trained Experts!

Foil Bar Code Labels Specifications

Material: .003” thick matte anodized aluminum is standard. .005” thick matte anodized aluminum is optional.

Bar Codes: 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 including Code 128, I 2 of 5, 2D DataMatrix and QR Code.

Label Copy: The printed label copy may include block type, stylized type, logos or other designs. All black copy is produced photographically. Colors other than black are screen printed.

Colors: Choose black only or one of our standard colors (red, blue, green, or yellow) for block style type, stylized type, logos or other designs. Due to the contrast needed for the bar code scanner, all bar codes are black. Color samples available upon request.

Finish: All black copy and bar codes are sealed in an anodic layer to resist defacing, abrasion, and environmental conditions.

Standard Sizes:

No. 254: 1 1/4” x 1/2”
No. 033: 1 1/2” x 3/4”
No. 123: 1 3/4” x 1/2”
No. 330: 2 3/8” x 1”
No. 029: 1 3/4” x 5/8”
No. 136: 2” x 9/16”
No. 191: 2” x 5/8”
No. 285: 2 3/4” x 1 1/2”
No. 277: 2 x 3/4”
No. 019: 2” x 1”
No. 264: 2” x 1 1/2”

There are over 200 other sizes available upon request.

Adhesive: Pressure-sensitive acrylic adhesive (MC78), .002” thick supported by a liner. Very high peel strength that provides excellent resistance to heat and chemicals. Will withstand temperatures from -40°F to 300°F (intermittent). Shelf life of 24 months when stored at 72°F (22°C) and 50% relative humidity.

Packaging: Shipped in peel-off strips for easy removal. Both cartons and trays are clearly marked to indicate serial numbers of contents. Pressure-sensitive adhesive orders are shipped with cleaner and application instructions.

Shipment: 5 work days (Black-Type, Black-Designed), 8 work days (2 Color-Designed), 10 work days (3+ Color-Designed) upon receipt of order and proof approval.

To Order: Call and ask for an ID specialist.

Test Results

These tests were conducted for a limited period of time in strict laboratory conditions. In order to achieve maximum satisfaction we highly recommend that any customer considering use of this product test the labels in the environment in which they will be used.

Characteristics	Test Conditions	Effect
CHEMICAL RESISTANCE		
Water/Humidity		No effect
Salt Spray	5% at 95°F, 700 hours	No effect
Ammonium Hydroxide	2 hours at 1% and 5%	Slight dulling of image, affects overall readability
Ethyl Alcohol		No effect
Ethyl Acetate	24 hours	No effect
Ferric Chloride	10%, 16 hours	No effect
Heptane	72 hours	No effect
Hydrocarbon Fluid		No effect
JP-4 Fuel		No effect
Kerosene		No effect
Methyl Ethyl Ketone		No effect
Nitric Acid	1%, 40 hours	No effect
Phosphoric Acid	1%, 40 hours	No effect
Skydrol		No effect
Sodium Hydroxide		Affects overall readability
Sulfuric Acid	10%, 24 hours	No effect
Turbine and jet fuel (MIL-L 5161C)	(MIL-L 5161C)	No effect
Tetra Sodium Pyrophosphate	1%, 40 hours	No effect
Trisodium Phosphate		No effect
TEMPERATURE RESISTANCE		
(Image Intensified)	265 hours at 500°F, 90 hours at 600°F, 60 hours at 700°F	Reduced overall readability after these thresholds
UV EXPOSURE		
(Image Intensified)	Weatherometer, 20 years equivalent	Reduced overall readability after these thresholds
ABRASION RESISTANCE		
(Image Intensified)	Plates brushed for 7,000 cycles with stiff nylon wheel (C-17) at a 1,000 gm (16 ox.) load	Reduced overall readability after these thresholds