When it comes to color options and print quality, the "CRAFTMARK" Polyester Bar Code Labels have it all – including the option of custom spot colors and four-color processing. This top-of-the-line polyester label features our thickest polyester combined with a .0035" thick adhesive. Digital printing ensures bar code readability as well as crisp, clean company logos while subsurface printing protects the logos, copy and bar code against extreme solvents, caustics, acids and moderate abrasion.

Features	Subsurface printing protects against extreme solvents, caustics, acids and mild abrasion while eliminating need for a laminate Digital printing process ensures bar code readability as well as crisp, clean company logos Custom colors available at no additional charge Durable .003" thick polyester material easily conforms to uneven or radius surface .0035" thick, pressure-sensitive adhesive for low-surface energy materials
Product Print Options	Barcode . Data Matrix . QR Code . RFID . Serial Number . Text
Product Functionality	Abrasion Resistance . Chemical Resistance . Heat Resistance
Popular Applications	Audio / Visual . Government . Restoration . Transportation / Logistics . Warehouse / Distribution Centers . Wineries / Breweries . Churches . Construction / Tool Tracking . Hospitals . IT Assets . Manufacturing . Schools
Category	Plastic Asset Tags

Specifications Data

Material	**.003" thick white or silver polyester**
Bar Code & Serialization	Serialized/unserialized numbers and bar code with human readable numbers
Label Copy	The label copy may include block type, stylized type, logos or other designs
Colors	Standard colors include black, red, yellow, green, orange, purple, dark blue 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	.0035" adhesive with excellent durability, particularly suited for a wide range of polyolefin and other low-surface energy materials (powderpaints, etc.)
Sizes	2" x 1"; 2" x .625"; 1.25" x .5"; 1.5" x .75"; 2" x .75"; 1.75" x .5"
Packaging	Produced and shipped in roll form. Strip form is optional. Cleaning solution is provided to assist in applying to a clean surface. Cartons are clearly marked to indicate serial numbers of labels.
Shipment	6 business days

2019 Metalcraft, Inc.
3360 9th St SW Mason City, IA 50401
www.idplate.com |
www.universalrfid.com
Ph: 641-423-9460

Chemical Testing

Labels were applied to a clean glass substrate and submerged in the following chemicals for 6 hours. A 180 degree peel test was performed on each label to measure peel strength and a percentage peel strength change was calculated based on a sample left in standard room temperature dry conditions.

Chemical Test Data

Chemical Resistance of Adhesive

	Water	Glass Cleaner	Bathroom Cleaner	Isopropyl Alcohol	Acetone	NaOH pH 12	HN03 pH 12	HCl pH 12	Brake fluid	Diesel fuel
Peel strength (control)	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
BC grade loss after chemical exposure	none	none	none	none	none	none	none	none	none	none

Destructive Testing

Abrasion Test: Labels survived more than 6,000 revolutions on Taber Abrader using Calibrase H18 wheel with 1000g weight and remained readable with a bar code reader.

Temperature Testing

Labels were applied to a clean glass substrate and heated to the temperatures listed below for 1 hour. Peel tests were performed to compare change in adhesive strength and bar codes were graded before and after testing to measure image degradation severity.

Temperature Test Data

Adhesive Strength Change after Heat Exposure

	104°F/40°C	212°F/100°C	302°F/150°C	392°F/200C
Peel Strength (control)	9.1	9.1	9.1	9.1
Actual Peel Strength (lb/in)	8.1	8.1	8.2	3.4

Barcode Readibility Testing

Barcode Readability Test Data

Bar code grade loss after heat exposure

104° F/40° C for 1 hour	212° F/100° C for 1 hour	302° F/150° C for 1 hour	392° F/200° C
0	2	2	no read

Abrasion Testing

Labels survived more than 6,000 revolutions on Taber Abrader using Calibrase H18 wheel with 1000g weight and remained readable with a bar code reader.