



## 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

Manufacturing . Information Technology . Medical . Equipment Rental . Education . Asset Tracking . Tool Tracking . Work-in-Process . Plastic Barcode Labels

Our CRAFTMARK Polyester Barcode Labels are printed using our thickest polyester and a .0035" thick adhesive.

These labels can outperform any standard polyester label – and with an unlimited color palette they will look better doing it.

Subsurface printing combined with our thickest polyester protects the logos, copy and barcode against extreme solvents, caustics, acids and moderate abrasion. This unique process eliminates the need for a laminate thereby eliminating the additional cost for the laminate as well as the possibility of delamination. The .0035" thick adhesive provides excellent adhesion to uneven, rough or slightly oily surfaces.

Four-color processing allows you to promote your company with a label that sports a company name or logo. Metalcraft's digital printing process ensures even the most detailed logo will look crisp and clean.

## 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	11 business days

## 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

### Destructive Test Data


## 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

## Read Range Testing

### Read Range Test Data


## Barcode Readability 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.

Abrasion Test Data


## Label Adhesion Testing

Label Adhesion Test Data


## Pull Testing

Pull Test Data
