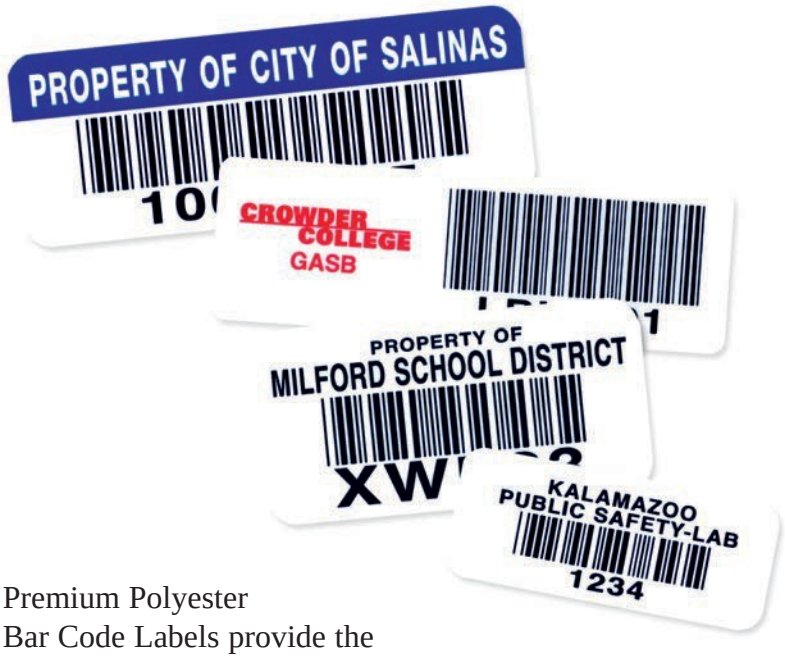
Premium Polyester Bar Code Labels



Premium Polyester
Bar Code Labels provide the
flexibility and functionality you need in
a basic polyester bar code label. Designed for a
variety of applications, the versatile polyester is pliable enough to conform to curved surfaces and durable enough to resist caustics, solvents and mild abrasion.

Premium Polyester Bar Code Labels are subsurface printed which provides an extra layer of protection for the logos, copy and bar code against solvents, caustics, acids and mild 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. .002” thick, pressure-sensitive adhesive provides permanent adhesion.

The digital printing process used to produce these labels ensures even the most detailed logo will look crisp and clean. Custom spot colors are available in addition to standard colors – black, red, yellow, green and blue.

Key Product 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
- Durable .002” polyester material easily conforms to uneven or radius surfaces
- .002" thick adhesive provides excellent adhesion to low-surface energy materials
- Custom colors available at no additonal charge

Not sure what product you need?
Call our trained Experts!
(604) 461-4113

Canada Label

Premium Polyester Bar Code Labels Specifications

Material: .002" thick white or silver polyester which can withstand moderate to harsh exposure, mild to moderate abrasion and temperatures up to 250°F for short durations.

Serialization: Bar code and human-readable equivalent is 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.

Although this product is primarily marketed as a bar code product, we can produce it with human-readable numbers only or unserialized. Call for information on either of these options. For non-bar code options we do offer clear polyester.

Label Copy: The label copy may include block type, stylized type, logos or other designs. All copy, block type, stylized type, logos, designs, and bar code are subsurface printed. This unique process provides excellent resistance to solvents, caustics, acids, and moderate abrasion.

Colors: Standard colors include black, red, yellow, green or blue. Custom spot colors also available at no additional charge. Due to contrast needed for the bar code scanner, all bar codes are black.

BLACK BLUE RED GREEN YELLOW

Standard Sizes:

No. 019: 2" x 1"
No. 191: 2" x 5/8"
No. 029: 1 3/4" x 5/8"
No. 254: 1 1/4" x 1/2"
No. 033: 1 1/2" x 3/4"
No. 277: 2" x 3/4"
No. 123: 1 3/4" x 1/2"
No. 694: 2 3/4" x 1 1/4"

Standard Adhesive: .002" MC78 adhesive. This adhesive has excellent durability, particularly suited for a wide range of poly-olefin and other low-surface energy materials (powder paints, etc.).

Packaging: Shipped on convenient rolls with scrap matrix removed for ease of removal. Cleaning solution is provided to assist in applying to a clean surface. Cartons are clearly marked to indicate serial numbers of labels.

Shipment: 15 work days upon receipt of order and proof, approval.

To Order: Call (604) 461-4113 and ask for customer service.

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.

Chemical Resistance Test: 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 Resistance of Adhesive

	Water	Glass Cleaner	Bathroom Cleaner	Isopropyl Alcohol	Acetone	NaOH pH 12	HNO3 pH 12	HCl pH 12	Brake Fluid	Diesel Fuel
Peel Strength (Control)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Actual Peel Strength (lb/in)	5.3	6.1	6.4	5.6	3.7	5.6	5.7	5.4	5.1	3.6

Bar Code Grade Loss after Chemical Exposure: No bar code grade loss was experienced after the chemical tests on Premium Polyester labels.

Heat Test: 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.

Adhesive Strength Change 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 for 1 hour
Peel Strength (Control)	5.5	5.5	5.5	5.5
Actual Peel Strength (lb/in)	4.6	5.1	4.8	2.1

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 for 1 hour
0	1	1	2

Adhesive Peel Strength Test (control)

Substrate	Results
Glass	5.5
Aluminum	4.4
Painted Steel	4.8
HDPE	3.7

*Values in lb/in

Abrasion Test: Labels survived more than 2,500 revolutions on Taber Abrader using Calibrase H18 wheel with 1000g weight and remained readable with a bar code reader.