

# Polyester Container Bar Code Labels



Ensure the proper tracking and return of your reusable containers with a product that was specifically designed for that application. Metalcraft Polyester Container Bar Code Labels are made of a durable, pliable polyester – ideal for curved drum surfaces – with an adhesive specially formulated for polyethylene or polypropylene reusable containers.

In addition, subsurface printing protects the logos, copy, and bar code 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.

Promote your company by tracking your reusable containers with a label that sports your company name or logo. Metalcraft's digital printing process ensures even the most detailed logo will look crisp and clean. Standard colors available include black, red, yellow, green or blue with custom colors available at no additional charge.

## Key Product Features

- Durable, pliable polyester material is ideal for curved surfaces
- Subsurface printing protects against extreme solvents, caustics, acids, and moderate abrasion while eliminating need for a laminate
- Specially formulated adhesive ideally suited to adhere to polyethylene and polypropylene surfaces
- Digital printing process ensures bar code readability as well as crisp, clean company logos
- Custom colors available at no additional charge

Not sure what product you need?

Call our trained Experts!

**800-437-5283**



3360 9th St. SW  
Mason City, IA 50401  
www.idplate.com  
E-mail: metalcraft@idplate.com



# Polyester Container Bar Code Labels Specifications

Material: .002" thick polyester; available in white.

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 and I 2 of 5, 2D DataMatrix and QR Code.

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. No laminate is needed when using this process, thereby eliminating the cost of a laminate and potential for delamination.

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



Standard Sizes:

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

Adhesive: .001" thick rubber-based adhesive. Designed for use with polyethylene or polypropylene.

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

Shipment: 6 work days with 100% yield.

To Order: Call **1-800-437-5283** 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.

Heat Test: Adequate ratio for bar code scanning with intermittent heat exposure to 350°F. Polyester Container Labels material is able to withstand intermittent heat exposure to 350°F.

Accu Force Pull Test (90° angle, tested in pounds/inch)

Test Parameters	Surface Type	Results (pounds/inch)
Immediate	Polyethylene	4.17
Immediate	Aluminum	5.02
Immediate	Glass	6.72
Immediate	Painted Steel	5.97
72-hour	Polyethylene	6.19
72-hour	Aluminum	9.81
72-hour	Glass	7.49
72-hour	Painted Steel	6.70

Conclusion: Excellent bond to low surface energy materials such as polyethylene and high surface energy materials such as aluminum.

Bar Code Readability Test: This rating measures bar code readability after being exposed to chemicals listed below for a 2 hour soak.

Test Conditions	Rating
Caustic Soda	100
Brake Fluid	100
Acetone	100
Isopropyl Alcohol	100
Speedball Power Cleaner	100
Glass Cleaner	100
Water	100

Chemical emergence tests are rated on a scale of 100 to 0:

- 100 = No Effect
- 75 = Image Blurred
- 50 = Image Scratches Off
- 25 = Image Wipes Off
- 0 = Image Destroyed

Label Adhesion Test: This rating measures label adhesion after being exposed to chemicals listed below for a 2 hour soak.

Test Conditions	Rating
Water	100
Glass Cleaner	100
Bathroom Cleaner	100
Isopropyl Alcohol	100
Acetone	100
Sodium Hydroxide	100
Nitric Acid	100

Label adhesion tests are rated on a scale of 100 to 0:

- 100 = No Effect
- 75 = Oozing Adhesive
- 50 = Label Slides Off
- 25 = Label Falls Off
- 0 = Label Destroyed