

Stylemark Polycarbonate Barcode Labels



Features

Flexible polycarbonate with a unique texture and non-reflective finish
Ideal for highly abrasive environments
Roll format standard
Digital printing process provides for greater print capability with detailed logos or special designs
Subsurface printing protects label from caustics/acids

Product Print Options

Barcode . Data Matrix . QR Code . Serial Number . Text

Category

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

Metalcraft's Premium StyleMark Labels use a flexible polycarbonate material with a textured, non-reflective finish.

StyleMark labels are tough and versatile labels made from a strong plastic material that can withstand tough conditions. These plastic barcode labels are commonly used in applications requiring long-term durability, such as industrial equipment, machinery, control panels, and outdoor signage.

Stylemark labels offer excellent resistance to chemicals, abrasion, and moderate temperatures, ensuring that vital information remains legible and intact even in challenging conditions.

These plastic barcode labels can be customized using various printing techniques such as screen printing, digital printing, and thermal transfer printing. This allows for the inclusion of text, images, barcodes, and other details. Style Mark Labels are digitally printed

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plastic barcode labels that offer durability, clarity, and customization options. They are a reliable choice for labeling needs in various industries.

Premium Style Mark Labels look great and work even better. The subsurface printing process combined with the polycarbonate material used to produce these plastic barcode tags makes them labels extremely resistant to abrasion. Printing under the surface helps keep the label safe from harmful chemicals. The adhesive is made to stick well to plastic and can handle temperatures up to 250°F for a short time.

Premium Style Mark Labels are a great option for Original Equipment Manufacturers. They are durable and attractive. These labels can withstand tough environments. They proudly display the company logo. Original Equipment Manufacturers (OEMs) choose polycarbonate labels for several reasons:

1. **Durability:** Polycarbonate labels are extremely durable and resistant to harsh environmental conditions, including abrasion, chemicals, UV radiation, and extreme temperatures. This durability ensures that labels remain legible and intact throughout the product's lifecycle, even in demanding applications.
2. **Longevity:** Polycarbonate labels are plastic barcode tags that offer long-term performance, making them ideal for applications requiring extended durability and reliability. OEMs can trust that polycarbonate labels will maintain

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their quality and appearance over time, reducing the need for frequent label replacement or maintenance.

3. Customization: Polycarbonate labels can be easily customized with various printing techniques, including screen printing, digital printing, and thermal transfer printing. OEMs can incorporate branding elements, product information, serial numbers, barcodes, and other data onto polycarbonate labels to meet specific requirements.
4. Versatility: Polycarbonate labels are suitable for a wide range of applications and environments, including industrial equipment, machinery, control panels, appliances, electronics, automotive components, and outdoor signage. Their usefulness makes them a versatile labeling solution for diverse OEM products.
5. Regulatory Compliance: Many industries have strict regulations and standards governing labeling requirements for OEM products. Polycarbonate labels are plastic barcode tags that can be engineered to meet these regulatory requirements, ensuring compliance with safety, identification, and traceability standards.
6. Aesthetic Appeal: Polycarbonate labels offer excellent optical clarity and can be produced with high-resolution graphics and vibrant colors. This allows OEMs to create labels that enhance the overall appearance of their products,

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contributing to brand identity and customer perception.

Original equipment manufacturers often choose polycarbonate labels because they are durable, long-lasting, versatile, compliant with regulations, visually appealing and can often be customized. This makes them a great choice for many different applications and industries.

Specifications Data

Stylemark product information

Material	.007" thick UV resistant polycarbonate with non-reflective finish
Bar Code & Serialization	Barcode and human-readable equivalent is digitally printed – providing 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 linear and 2D symbologies available. Although this product is primarily marketed as a bar code product, we can produce it with human-readable numbers only or unserialized.
Label Copy	The label copy may include block type, stylized type, logos or other designs
Colors	Standard colors include black, red, yellow, green, dark blue, orange, purple 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	High performance adhesive particularly suited for a wide range of polyolefin and other low-surface energy materials (powderpaints, etc.).
Sizes	1.5" x .75"; 2" x 1"; 2" x .75"
Packaging	Shipped on convenient rolls with scrap matrix removed for ease of removal. 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 p 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

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 for 1 hour	212° F/100° C	302° F/150° C for 1 hour	392° F/200° C for 1 hour
Peel strength (control)	9.1	9.1	9.1	9.1
Actual Peel strength (lb/in)	8.6	7.4	6.9	4.6

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 for 1 hour

0

0

No read

No read

Abrasion Testing

Labels survived more than 10,000 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

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