Stylemark Polycarbonate Barcode Labels

BARCODE LABEL LINE

Metalcraft's Stylemark Polycarbonate Barcode 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.

Material and Design Specifications

- 0.007" (0.18 mm) thick UV resistant polycarbonate with non-reflective finish
- Overall dimensions - various sizes available
- 0.0035" (0.09 mm) high performance acrylic adhesive
- Features digital printing for complex details/logos

Technical Specifications

- All alphanumeric barcodes are digitally printed with human-readable equivalent to guarantee no skips in sequence
- Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard
- Other barcode symbologies include Code 128, I 2 of 5, 2D DataMatrix and QR Code. OCR characters and CPIs are also available

Key Features

- Tough and versatile
- Subsurface printing protects labels from caustics/acids
- Excellent resistance to chemicals, abrasion and moderate temperatures
- Custom colors are available at no additional charge

Applications

- Asset Tracking
- Tool Tracking
- Work-in-Process
- Product Identification

Environmental Specifications

- Minimum Application Temperature: +50 °F (10 °C)
- Operating Temperature Range: -40 °F to +300 °F (-40 to +149 °C)
- UV Resistance: Up to 7 years of resistance
- Chemical Resistance: Excellent resistance to strong acids and alkaline solutions, very good resistance to flammable and combustible solvents and a wide variety of cleaning products.

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the labels in the environment in which they will be used.

Chemical Test Summary: Samples applied to glass panels, allowed to wet out 72 hrs., immersed in chemicals below with ambient room temperature conditions.											
Product (Immersion Time)	Water	Salt Water	Bathroom Cleaner	Glass Cleaner	Isopropanol	Brake Fluid	Acetone	Diesel Fuel	Nitric Acid pH 1.0	Hydrochloric Acid pH 1.0	Sodium Hydroxide pH 12.0
Stylemark (48 Hours)	NE	NE	NE	EL	EL	NE	TD	AO, EL	NE	NE	NE

Key: NE - No Effect, AO - Adhesive Ooze, AL - Loss of Adhesion to Glass Panel, TD - Tag Delaminated, PE - Print Erosion Under Polycarbonate, EL - Adhesion Erosion on Edges of Printed Layer

Cold Temperature Exposure: Samples applied to glass panels at ambient room temperature conditions, sit for 72 hrs., then placed in freezer set to -40 °F for 24 hours. Samples checked for defects including delamination.	
Sample	Results
Stylemark	NE

Key: NE - No Effect

Heat Tests: 200-500 °F, samples applied to glass panels. The same sample was exposed to each temperature noted below for 1 hour.							
Sample	200 °F	250 °F	300 °F	350 °F	400 °F	450 °F	500 °F
Stylemark	NE	NE	SS	SS	SS	SS, TP	SS, TP

Key: NE - No Effect, TD - Sample Materials Discolored, TP - Sample Print Degradation, TM - Tag Melted/Destroyed, SS - Sample Shrinking; Adhesive Ooze at Edges

Abrasion Test Summary
Labels survived more than 10,000 revolutions on Taber Abrader using Calibrase H18 wheel with 1000 gram weight and remained readable with a barcode reader.

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc. debris that may affect adhesion.

2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.

3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.

4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive sealing.

Industry Compliance

RoHS 2002/95/EC • REACH COMPLIANCE • ISO 9001:2015 CERTIFICATION™ intertek • IMPINJ PARTNER

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