Valumark Polypropylene Barcode Labels

BARCODE LABEL LINE

An ideal solution for indoor asset tracking, Valumark Labels are an effective and affordable identification solution. Valumark Labels are subsurface printed, which provides an extra layer of protection for logos, copy and barcode 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.

Material and Design Specifications

- 0.002" (0.06 mm) thick white, silver or clear polypropylene
- Overall dimensions - Various sizes available
- 0.002" (0.06 mm) low surface energy pressure-sensitive 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

- Conforms to uneven or radius surfaces
- An effective and affordable label for indoor asset tracking
- Naturally receptive to thermal transfer printing
- Roll format standard
- 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)
- Service Range Temperature: -40 °F to 200 °F (-40 °C to 93.4 °C)
- UV Resistance: Up to 6 months
- 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 and immersed in the chemicals below with ambient room temperature conditions.											
Sample/ 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
Valumark (48 Hours)	NE	NE	NE	AO, AL	AO	AO	AO, TD, ER	AO	NE	NE	NE
Key: NE - No Effect, ER - Printed Image Eroded/Dissolved, AO - Adhesive Ooze, AL - Loss of Adhesion to Glass Panel, TD - Tag Delaminated											

Heat Tests: 200-400 °F - Samples applied to glass panels, the same sample was exposed to each temperature below for 1 hour						
Sample	150 °F	200 °F	250 °F	300 °F	350 °F	400 °F
Valumark	NE	NE	SS	SS	TM	Not Tested
Key: NE - No Effect, TD - Sample Materials Discolored, TP - Sample Print Degradation, TM - Tag Melted/Destroyed, SS - Sample Shrinking, Adhesive Ooze at Edges						

Label Abrasion Test: Labels were applied to a clean glass surface
Label survived more than 500 revolutions on Taber Abrader using Calibrase H18 wheel with 1,000 gram weight.

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