



This top-of-the-line polyester label features our thickest polyester combined with a .0035" thick adhesive. Digital printing ensures bar code readability as well as crisp, clean company logos while subsurface printing protects the logos, copy and bar code against extreme solvents, caustics, acids and moderate abrasion – ensuring the mark with last the service lifetime of the item being identified.

Features

Expertise in working with the UID spec
Digital printing process ensures bar code readability

Subsurface printing protects against extreme solvents, caustics, acids, and modern abrasion while eliminating need for a laminate

Durable .003" thick polyester material easily conforms to uneven or radius surface

.0035" thick adhesive provides excellent adhesion to low-surface energy materials
ITAR Compliant

Established company with a reputation for durable and reliable products

Product Print Options

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

Product Functionality

Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability

Popular Applications

Government . Inventory

Category

UID . Plastic Asset Tags

Specifications Data

Material .003" thick white or silver polyester that can withstand moderate to harsh exposure, mild to moderate abrasion, and temperatures up to 250°F for short durations.

| | |
|--------------------------|--|
| Bar Code & Serialization | All alphanumeric bar codes are printed with a human-readable equivalent. |
| 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, 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 |
| Sizes | Various sizes available |
| Packaging | Produced and shipped in roll form. Strip form is optional. Cleaning solution is provided to assist in applying to a clean surface. Cartons are clearly marked to indicate serial numbers of labels. |
| Shipment | 6 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. No bar code grade loss was experienced after the chemical tests on Craftmark labels.

Chemical Test Data

Chemical Resistance of Adhesive

| | Water | Glass Cleaner | Bathroom Cleaner | Isopropyl Alcohol | Acetone | NaOH pH 12 | HN03 pH 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 |
| Actual Peel Strength (lb/in) | 8.8 | 9.6 | 9.2 | 8.5 | 6.3 | 8.3 | 8.2 | 8.3 | 8 | 6.7 |

Destructive Testing

Labels survived more than 6,000 revolutions on Taber Abrader using Calibrase H18 wheel with 1000g weight and remained readable with a bar code reader.

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

| | 104o F/40° C for 1 hour | 212o F/100° C for 1 hour | 302o F/150° C for 1 hour | 392o F/200° C for 1 hour |
|------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| Peel Strength (control) | 9.1 | 9.1 | 9.1 | 9.1 |
| Actual Peel Strength (lb/in) | 8.1 | 8.1 | 8.2 | 3.4 |