Premium Polyester

Durable, white, silver or clear .002" polyester Premium Polyester Labels adhere to uneven and curved metal and plastic assets. The .002” pressure-sensitive adhesive layer gives a strong bond. The subsurface, digital printing ensures barcode readability and crisp graphics under normal environmental conditions. Its durability, when exposed to chemicals, is exceptional.

Designed for a variety of applications, the versatile polyester label is pliable enough to conform to curved surfaces and durable enough to resist caustics, solvents and mild abrasion. Subsurface printing protects the logos, copy and bar code against wear.

Our digital printing process ensures even the most detailed logo will look crisp and clean while the standard .002” adhesive provides excellent adhesion to uneven or slightly oily surfaces.

Features	Durable .002" polyester material easily conforms to curved or uneven surfaces Adhesive bonds well to plastics and metal surfaces Digital printing process ensures bar code readability as well as crisp, clean company logos
Product Print Options	Barcode . Data Matrix . QR Code . Serial Number . Text
Product Functionality	Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability
Popular Applications	Audio / Visual . Government . Restoration . Churches . Construction / Tool Tracking . Hospitals . IT Assets . Manufacturing . Schools
Category	Plastic Asset Tags

Material	.002" thick white or silver polyester
Bar Code & 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, I 2 of 5, 2D DataMatrix and QR Code.
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	2" x 1"; 2" x .625"; 1.25" x .5"; 1.5" x .75" 2" x .75"; 1.75" x .5"
Packaging	Shipped on convenient rolls with scrap matrix removed for ease of removal. Cartons are clearly marked to indicate serial numbers of labels.
Shipment	6 business days

2019 Metalcraft, Inc.
3360 9th St SW Mason City, IA 50401
www.idplate.com | www.universalrfid.com
Ph: 641-423-9460

inLogic™

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 pH 12	HCl pH 12	Brake Fluid	Diesel Fluid
Peel Strength (control)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Destructive Testing

Labels survived more than 2,500 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	212° F/100° C for 1 hour	302° F/150° C for 1 hour	392° F/200° C for 1 hour
Peel Strength (Control)	5.5	5.5	5.5	5.5
Actual Peel Strength (lb/in)	4.6	5.1	4.8	2.1

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	1	1	2

2019 Metalcraft, Inc.
3360 9th St SW Mason City, IA 50401
www.idplate.com | www.universalrfid.com
Ph: 641-423-9460

inLogic™