



# High Temperature Polyimide Labels

- Abrasion and temperature resistant up to 572°F
- Maintains readability in harsh environments
- Barcoding and serialization available
- Thermally stable at both high and low temperatures

## Description

Our High Temperature Labels are used for identification of high-heat items like circuit boards and related electronic components, where a soldering flux or wave soldering process is used or if the product will be exposed to a chemical cleaning cycle. Backed with a pressure-sensitive acrylic adhesive, these labels have excellent barcode readability after chemical and high-temp exposure.

UL 969 approved

Test Method*	Test Environment	PCS <sup>1</sup>	Read Rate <sup>2</sup>
Heat/Chemical Resistance Test-80386	Control	99%	100%
	Kyzen Corp. Aquanox SSA 30% aqueous, 40-45°C, 5 min.	100%	99%
	Re-entry KNI 2000 Terpene 40-45°C, 5 min.	98%	100%
	Alpha Metals 2110 Saponifier 10% aqueous, 65-70°C, 5 min.	97%	100%
	Isopropanol 99%, 65-70°C, 5 min.	99%	100%
	Kyzen XJN+, 30% 5 min.	99%	100%



<sup>1</sup>PCS – Print Contrast Signal. PCS determined with Quick Check 650, 0.005” aperture,660 nm wavelength. Quick Check 650 manufactured by: Photographic Sciences Corp.

<sup>2</sup>Read rate determined using PSC 850 laser scanner.

## Test Method\*

MIL-STD-202G, Notice 12, Method 215K MIL-STD-883E, Notice 4, Method 2015.13

Properties	Test Fluid	Results
Chemical Resistance	Solvent A-1 part IPA, 3 parts mineral spirits	No visible effect
	Solvent B-1,1,1 Trichloroethane	Solvent deleted per notice 12
	Solvent C-Terpene Defluxer	No visible effect
	Solvent D- Saponifier	No visible effect

\*Please Note:Test results may differ depending on conditions during actual use



## Additional information

Model Number	WFC-BC-POLYIMIDE Polyimide High Temperature Labels
Applications	Medical Equipment, Power Equipment Labeling, Asset Marking, Asset Tracking, Barcode Labeling, Electronic Equipment & Devices, Harsh Environments, High Temperature, Manufacturing, Product Marking
Material	Polyimide Facestock with Acrylic Adhesive
Overall Thickness	4.4 mil $\pm$ 10%
Expected Outdoor Life	7 - 10 Years
Temperature Service Range	-40°F to 437°F
Minimum Application Temperature	50° F
Adhesive	Permanent Acrylic
Adhesion	Adhesion to Acrylic at 72 hr. dwell: Very Good, Adhesion to LSE Plastics: Fair, Adhesion to HSE Plastics: Good, Adhesion to Glass at 72 hr. dwell: Good, Adhesion to Steel at 72 hr. dwell: Very Good
Shelf Life	1 Year, Stored @ 80° F / 60% Relative Humidity