Flexcon® ThermlFilm® HT™ PI1W50GV2 1 Mil White Printable Polyimide Film, Hi-Performance Permanent Adhesive, 50 White Glassine Liner

1.0 mil high temperature white polyimide film

FLX070416 | Part #: PI2-BW23-J48AH/36

Benefits

- UL 969 recognized, REACH & RoHS compliant, and halogen-free
- Chemical, solvent, and abrasion resistance (OHR1 Compliant) for harsh industrial conditions

Features

- 1 mil (25 micron) high temperature white polyimide film, topcoated for extensive printability
- Withstands intermittent heat up to 750°F (399°C) for high-heat applications
- 600 DPI resolution for sharp barcodes, data matrix codes, and alphanumeric tracking
- ANSI scannability compliance ensures reliable long-term traceability
- Topcoat has static dissipating properties
- Low-outgassing adhesive for sensitive applications

Additional Details

Click here for additional information including technical information.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.1	
Film	1 +/- 15%	25 +/- 15%
Adhesive	1.4 - 1.5 +/- 0.1	36-38 +/- 3
Liner	2.7 +/- 10%	69 +/- 10%
Topcoat	0.7 +/- 15%	18 +/- 15%

Test Method: ASTM D 3652 (Modified for use with non-tape product)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless steel	42	462
Acrylic	40	440
Glass	46	506
FR4 Board	50	550

Test Method: ASTM D 903 (Modified for 72 hr dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)	75	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb load)
Tack (g)	1240	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information		
Service Temperature	-40°F to 356°F (-40°C to 180°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% RH	

Product Performance and Suitability

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