Flexcon® ThermlFilm® TamperMark™ PM 200 White Void II TC-390 L-344 Special 50K-8

Security / Authenticity Labeling White Polyester - Void Pattern

FLX051476

Benefits

- Liner is suitable for optical sensing on most thermal transfer printers
- UL recognized under UL 969 - UL File No. PGGU2.MH10170 Marking and Labeling System Materials - Component

Features

- 2.0 mil tamper-evident white polyester film leaves behind "VOID" pattern
- Designed for applications requiring tamper evidence
- Topcoat resists smudging and abrasion when printed with resin and wax/resin thermal transfer ribbons
- Topcoat is compatible with color and black resin and wax/resin thermal transfer ribbons (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- Permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- High shear and high peel adhesive resists cold flow and oozing
- Backed with a 50 lb. semi-bleached Kraft release liner ideal for roll-form converting

Additional Details

*This product shows tampering when removal is attempted by leaving a VOID pattern on the application surface.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.8	
Film	2.3 +/- 10 %	58
Adhesive	0.9-1.0 +/- 0.1	23-25 +/- 3
Liner	3.1 +/- 10 %	79

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

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel		This product shows tampering w
Glass		This product shows tampering w
Acrylic		This product shows tampering w

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

Additional Properties	Value	Test Method
Expected Shear (hours)	30	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	880	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information		
Service Temperature	-40°F to 302°F (-40°C to 150°C) Tamper-evident maximum 104°F (40°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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