Flexcon® PharmCal® TamperMark™ 069053 (PharmCal® MM 150 Silver Checkerboard TC-716 V-156 Spec 50K/Q-8)

1.5 Mil Silver Polyester, Checkerboard Pattern, Permanent Adhesive, Paper Liner

FLX069053

Benefits

- Quilon®* coated to prevent label pick-off
- Ideal for FDA 21CFR 211.132 and EU Falsified Medicines Directive (FMD) regulations for tamper-proof labeling and packaging
- 6-month change notification

Features

- 1.5 mil tamper-evident silver polyester film leaves behind checkerboard pattern
- Topcoat optimizes printability with resin and wax/resin thermal transfer, UV & solvent screen, flexographic, narrow-format UV inkjet, and hot stamping
- High-adhesive bond onto plastic containers, cardboard, and packaging materials
- Backed with a 50 lb. semi-bleached kraft release liner that is Quilon®* coated

Additional Details

“Fit-for-use” testing is recommended under actual application conditions.

*Quilon® is a registered trademark of Zaclon LLC

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.1	
Film	1.4 +/- 10%	36
Adhesive	1.0-1.1 +/- 0.1	25-28 +/- 3
Liner	3.1 +/- 10%	79

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

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Acrylic		Shows tampering upon removable
Glass		Product shows tampering when r
Stainless Steel		Product shows tampering when r

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

Additional Properties	Value	Test Method
Expected Shear (hours)	5	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	820	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	32°F (0°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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