Flexcon® PharmCal® TamperMark™ 069087 (PharmCal® DA 200 Clear V-88 Spec 50K/Q-8)

2.0 Mil Clear Diacetate (Destructible), Permanent Adhesive, Paper Liner

FLX069087

Benefits

- Destructible film prevents relabeling onto counterfeit package
- Diacetate offers excellent clarity for no-label-look on containers
- 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

- 2.0 mil clear diacetate film for destructible applications
- Printable surface is compatible with most standard flexographic ink
- Aggressive permanent rubber based adhesive offers excellent adhesion to plastic containers, cardboard, and packaging materials
- Backed with a 50 lb. semi-bleached kraft release liner that is Quilon®* coated

Additional Details

Recommendations: Printing/converting trials are highly recommended prior to full scale manufacturing

*Quilon® is a registered trademark of Zaclon LLC

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.2	
Film	2.0 +/- 10 %	51
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 product)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Carboard Box	12+	132+ box surface splits
HDPE	20	220
Polyester	98	1078
Printed Box (no varnish)	12+	132+ box surface splits
Printed Box (varnished)	16	176

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

Additional Properties	Value	Test Method
Expected Shear (hours)	100+	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	1340	ASTM D 2979
Expected Exterior Life	Indoor use only	
Additional Information	Use with plasticized vinyl surface or removal and then relamination of liner is not recommended.	
Service Temperature	-40°F to 200°F (-40°C to 90°C)	
Minimum Application Temperature	50°F (10°C); 35°F (2°C) for pharmaceutical labeling on glass and HDPE	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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