

Tamper-Evident Materials for Security and Counterfeit Protection

Clear Diacetate (Destructible)

*End Use Applications:
Functional Technology for Pill
Containers and Boxes*

*For more information on
FLEXcon's
pressure-sensitive film
solutions for Security /
Authenticity Labeling,
contact your local Sales
Representative or our
Product Identification
Business Team at (508)
885-8300.*

Product ID #: FLX069087



Product:

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

Benefits:

- 2.0 mil clear diacetate film for destructible applications
- Destructible film prevents relabeling onto counterfeit package
- Diacetate offers excellent clarity for no-label-look on containers
- Printable surface is compatible with most standard flexographic inks
- 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 to prevent label pick-off
- Ideal for roll-form converting
- Ideal for FDA 21CFR 211.132 and EU Falsified Medicines Directive (FMD) regulations for tamper-proof labeling and packaging
- 6-month change notification

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

*Quilon® is a registered trademark of Zaclon LLC.

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



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

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%
	Adhesive	1.0-1.1 (25-28) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/in (N/m)	
Cardboard 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)
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	100+	
Tack (gm/sq cm)	1340	ASTM D 2979
Expected Exterior Life	Indoor use only	
Service Temperature Range	-40°F to 200°F (-40°C to 90°C)	
Minimum Application Temperature	50°F (10°C); 35°F (2°C) minimum application temperature for pharmaceutical labeling on glass and HDPE	
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of Flexcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by Flexcon. All purchasers of Flexcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of Flexcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.

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