

# High-Performance Material for Vials, Syringes, and Ampules

Clear Polyester

*End Use Applications:  
Trace & Trace for Vials,  
Syringes, and Ampules*

*Suitable for autoclave, ethylene  
oxide, gamma and electron  
beam sterilization methods.*

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

*Product ID #: FLX069045*



**Product:**

**Flexcon®  
PharmCal® Supreme 069045  
(PharmCal® PM 150 Clear  
TC-716 V-95 TracRite™ 150)**

**Benefits:**

- 1.5 mil clear polyester offers excellent resistance to shrinkage, high temperatures, moisture, humidity and product contents
- Excellent performance in autoclave or pasteurization
- Topcoat optimizes printability with UV & solvent screen, flexographic, narrow-format UV inkjet, and hot stamping
- Permanent pressure-sensitive acrylic adhesive bonds well to glass and polypropylene
- Adhesive offers excellent tack, clarity and wet out characteristics
- Backed with Flexcon® TracRite™ 150 polyester release liner for excellent on-press performance for tight registration graphics
- Release liner is ideal for roll-form applications that require high-speed dispensing
- 12-month change notification

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

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**PharmCal® Supreme 069045**  
**(PharmCal® PM 150 Clear**  
**TC-716 V-95 TracRite™ 150)**

PRODUCT DATA	VALUE	TEST METHOD	
<b>Physical Properties</b>			
Thickness (Mils[microns])	Film	1.4 (36) +/- 10%	
	Adhesive	0.6-0.7 (15-18) +/- 0.1 (3)	
	Liner	1.4 (36) +/- 5%	
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)	
<b>Adhesion Properties</b>			
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)	
	Oz/In		(N/m)
	Glass		50
Polypropylene	4	(44)	
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)	510	ASTM D 2979	
Expected Exterior Life	Indoor use only		
Service Temperature Range	-40°F to 302°F (-40°C to 150°C)		
Minimum Application Temperature	35°F (1.7°C)		
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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