

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

Clear Polypropylene, Fluorescing Adhesive

*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 #: FLX000211*



**Product:**

**Flexcon®  
PharmCal® Supreme 000211  
(PharmCal® PP 200 H Clear TC-332™  
V-232C TRACrite™ 150)**

**Benefits:**

- 2.0 mil clear polypropylene offers excellent resistance to shrinkage, high temperatures, moisture, humidity and product contents
- Film clarity is ideal for achieving the no-label-look on clear vials and syringes
- Topcoat optimizes printability via narrow-format UV inkjet, flexographic, UV screen, UV letterpress, UV offset, and hot stamping
- Permanent pressure-sensitive acrylic adhesive bonds well to glass and polypropylene
- Adhesive has a photoluminescent additive for label verification
- 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.

**Flexcon®**  
**PharmCal® Supreme 000211**  
**(PharmCal® PP 200 H Clear TC-332™ V-232C TRACrite™ 150)**

PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film	2.0 (51) +/- 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	39 (429)	
Polypropylene	6 (66)	
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)	480	ASTM D 2979
Expected Exterior Life	Indoor use only	
Service Temperature Range	-40°F to 212°F (-40°C to 100°C)	
Minimum Application Temperature	35°F (2°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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