

Ethical Pharmaceutical Labeling

Clear Polypropylene

End Use Applications:

Vial Labels

Syringe Labels

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

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

Product ID #: FLX000212



Product:

**Flexcon®
PharmCal® PP 200 H Clear
TC-332™ V-232 TracRite™ 150**

Benefits:

- 2.0 mil clear polypropylene (BOPP) offers excellent resistance to shrinkage, high temperatures, moisture, humidity and product contents
- Polypropylene is a more economical alternative to polyester
- Film clarity is ideal for achieving the no-label-look on clear vials and syringes
- Topcoat optimizes printability with flexographic, rotary screen, rotary letterpress inks and hot stamping (We recommend evaluating the intended ink system for compatibility with the product under the application conditions)
- 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 provides a good diecutting base and allows for high-speed dispensing

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PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
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)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
ABS	27	(297)
Acrylic	44	(484)
Corona Treated Polyethylene	27	(297)
Glass	39	(429)
Polycarbonate	42	(462)
Polyester	43	(473)
Polyethylene	12	(132)
Polypropylene	6	(66)
Styrene	32	(352)
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)	280	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	50°F (10°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.

Last Modified On: 10/11/2024

