

# Transportation

## Security / Authenticity Label

*End Use Application:  
Security / Authenticity Label*

*Market:  
Automotive*

*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 #: FLX006234*



**Product:**

**Flexcon®  
TamperMark™ MM 150 Silver Void  
TC-249 V-156 90 PFW**

**Benefits:**

- 1.5 mil silver topcoated tamper-evident metallized polyester film
- Designed for applications requiring tamper evidence
- Topcoat optimizes ink receptivity with most solvent and UV ink systems (please test for ink adhesion on your specific ink chemistry)
- High-adhesive bond onto plastic containers, cardboard, and packaging materials
- 90 lb. moisture stable polycoated layflat release liner ideal for sheet and roll-to-sheet converting
- Ideal for sheet-form converting

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PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film	1.4 (36) +/- 10%
	Adhesive	1.0-1.1 (25-28) +/- 0.1 (3)
	Liner	6.9 (175) +/- 10%
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)	
Acrylic	Leaves VOID pattern	Leaves VOID pattern
Glass	Leaves VOID pattern	Leaves VOID pattern
Stainless Steel	Leaves VOID pattern	Leaves VOID pattern
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	5	
Tack (gm/sq cm)	820	ASTM D 2979
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C) Tamper-evident maximum 104°F (40°C)	
Minimum Application Temperature	32°F (0°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: 03/06/2025

