

# Promotional Advertising

## Silver Design #510 - Sheet Form

*Specialty pressure-sensitive film is the ideal choice for promotional advertising applications. We offer an extensive array of specialty films like metallic, holographic, fluorescent, and phosphorescent.*

*End-Use Applications:  
Novelty Stickers  
Holiday/Seasonal Decorations  
Display Graphics  
General-Purpose Signage*

*For more information on FLEXcon's pressure-sensitive film solutions for promotional advertising, contact your local Sales Representative or our Product Branding Business Team at (508) 885-8370.*

*Product ID #: FLX069629*



Product:

**Flexcon®  
PrismCal® DESIGN510**

Benefits:

- 2.6 mil brilliant, eye-catching, light diffracting metallized vinyl film
- Available patterns: Rainbow, 1/4" Mosaic, Design #510, and Kaleidoscope
- Printable via UV and solvent screen, and UV inkjet (wide). Please test for ink adhesion with your specific ink chemistry
- Topcoatings available for compatibility with flexo and offset inks
- High-performance permanent pressure-sensitive adhesive bonds well to a variety of surfaces
- Backed with a 94 lb. premium grade liner with excellent layflat qualities and backside printability

Product Usage and Processing Recommendations:

Processing temperature maximum: 160°F (70°C)

1. We do not recommend that this product be processed in dryers or UV curing units under excessive heat. Temperatures above 160°F may cause the diffraction pattern to become distorted.
2. Caution: Higher boiling solvents found in some printing inks can cause vinyls to distort.

Please note: DESIGN510 pattern repeats every six inches (150mm), and the RAINBOW, MOSAIC, and KSCOPE patterns repeat every nine inches (230mm) in both the machine and transverse directions. The repeat is defined by a seam line. Sheet size determines where seams will be located on converted materials.

# Flexcon® PrismCal® DESIGN510

PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film	2.6 (66) +/- 10%
	Adhesive	0.9-1.0 (23-25) +/- 0.1 (3)
	Liner	6.6 (168) +/- 10%
Dimensional Stability (%)	MD	0.50
	TD	0.50
<b>Adhesion Properties</b>		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)
	Acrylic	91 (1001)
	Glass	92 (1012)
	Polypropylene	64 (704)
Stainless Steel	82 (902)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	30	
Tack (gm/sq cm)	870	ASTM D 2979
Expected Exterior Life	Two years (vertical exposure, mid continental North America)	
Service Temperature Range	-40°F to 176°F (-40°C to 80°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.

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