



# Flexcon® SwitchMark® 272 7 MIL POLYESTER W/ADHESIVE BOTH SIDES ON 90 PFW ONE SIDE/80BPFM PRINTED ONE SIDE

Membrane Switch - Component Spacer - 2-10-2 (.014" Total Thickness)  
FLX000486

## Benefits

- RoHS 2002/95/EC Compliant
- RoHS 2003/11/EC Compliant, RoHS 76/69/EEC Compliant, UL Recognized"
- Superior mechanical properties ensure long-term membrane switch performance without delamination (ASTM F 1578-00)
- Adhesive system has UL recognition under UL746C, Polymeric Adhesive Systems, Electrical Equipment - Component and UL969, Marking & Labeling Systems Materials Component 302°F (150°C)

## Features

- Flexcon® SwitchMark® spacer components, overlaminates and laminating adhesives are specifically engineered for demanding membrane switch applications. Specially formulated pressure-sensitive adhesives are designed to bond well to a variety of surfaces. The adhesive also allows the necessary rework time to
- 7.0 mil clear polyester film
- Adhesive is compatible with a wide range of solvent and UV ink systems, including conductive, decorative and dielectric inks
- High-performance permanent pressure-sensitive acrylic adhesive bonds well to high-surface energy plastics, metal and paint\*
- Product can be repositioned within the first few minutes of application allowing easy correction of assembly mistakes
- Adhesive is compatible with a wide range of solvent and UV ink systems, including conductive, decorative and dielectric inks
- Backed with an 80 lb. two-sided semi-bleached polycoated mando release liner, backside printed with a black stripe

## Additional Details

### Technical Data

#### Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	22.6	
Film	7.0 +/- 10%	178
Adhesive	1.9-2.1 +/- 0.1 (3)	48-53
Adhesive 2	1.9-2.1 +/- 0.1 (3)	48-53
Liner	6.9 +/- 10%	175
Liner 2	4.8 +/- 10%	122

Test Method: ASTM D 3652 (Modified for use with non-tape products)

**Adhesion Properties**

Ultimate Peel from	Average Oz/In	(N/m)
ABS	26	286
Alkyd Enamel Paint	35	385
Conductive Solvent Screen Ink	26	286
Decorative Solvent Screen Ink	34	374
Decorative UV Screen Ink - Coa	76	836

Test Method: ASTM D 903 (Modified for 72 hour dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)		
Tack (g)	220	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information	Dielectric Strength (minus adhesive) 11.0 KV/mil (DC)	
Service Temperature	-40°F to 302°F (-40°C to 150°C) with polyester film	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% RH	

**Product Performance and Suitability**

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