



# Flexcon® SwitchMark® 022 2 MIL Polyester with Adhesive One Side On A 90 PFW Liner

Membrane Switch - Overlamine 0-2-2 (.004" Total Thickness)  
FLX000478

## Benefits

- RoHS 2002/95/EC Compliant; RoHS 2003/11/EC Compliant, RoHS 76/69/EEC Compliant, UL Recognized

## 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 minimize waste in assembly from misaligned components.

- Excellent high-temperature, humidity and chemical resistance which allows the switch to remain functional in extreme environments
- Film is dimensionally stable during the conventional printing process
- 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\*
- Superior mechanical properties ensure long-term membrane switch performance without delamination (ASTM F 1578-00)
- 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 a 90 lb. moisture stable polycoated layflat release liner ideal for sheet-form converting
- Product is ideal for dome retention, tail insulating, tail reinforcing and printing conductive circuit layers
- Product is available in rolls and sheets

## Additional Details

\*Recommendations: Application surfaces must be above 50°F (10°C). Surfaces must be clean and dry to obtain best adhesion results. Firm and even laminating pressure helps promote adhesive contact and improves bond strength. Always laminate to exclude air entrapment.

## Technical Data

### Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	10.8	
Film	2.0 +/- 10%	51
Adhesive	1.9-2.1 +/- 0.2 (5)	48-53
Liner	6.9 +/- 10%	175

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



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## Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Conductive Solvent Screen Ink	56	616
Dielectric UV Screen Ink - Ach	64	704
Polycarbonate	73	803
Polyester	82	902

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

Additional Properties	Value	Test Method
Expected Shear (hours)		
Tack (g)	260	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information		
Service Temperature	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% RH	

## Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon.

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