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

Membrane Switch - Overlaminate 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)

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

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