



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)



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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

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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