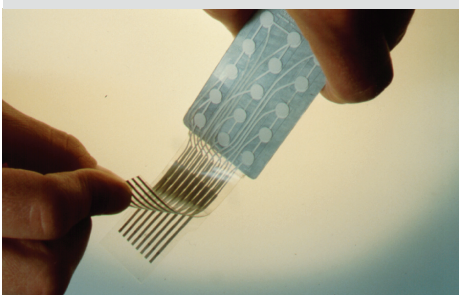
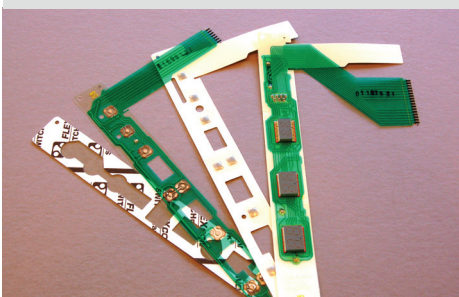
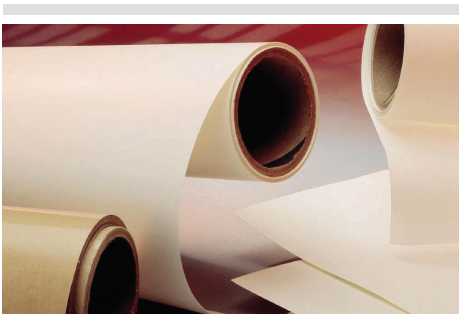


## SWITCHmark® Provides Design Flexibility

Membrane switches are multilayered constructions consisting of conductive dielectric and adhesive polymers. The performance of the adhesive is critical to the integrity of the switch. The adhesive must consistently perform to specifications, demonstrating excellent resistance to hostile environments such as high temperatures, humidity, moisture, household cleaners, detergents and solvents. Finally, accurate switch assembly is essential.

SWITCHmark® is a line of high-performance spacer components and laminating adhesives specifically engineered for demanding membrane switch applications. The product line offers a wide range of products designed to meet all the requirements for reliable, long-term switch performance.



## Performance Benefits:

- Built in elasticity for superior bond retention as switch cycles through thousands of actuations
- Provides superior durability for long-term performance without delaminating
- Bonds well to a variety of surfaces including; print treated and untreated polyester, polycarbonate and other plastics, printed circuit boards and metal
- UL recognition under UL 746C, Polymeric Adhesive Systems, Electrical Equipment-Component and UL 969, Marking Labeling Systems Materials Component
- Can be repositioned easily within first few minutes of application without damaging switch
- Exceeds the appliance industry standard of 105°C for membrane switch applications
- Available in Quick-Ship for fast delivery
- Custom constructions available

FLEXcon excels in the design and manufacture of custom pressure-sensitive product constructions that meet your specific converting and end-use requirements. For more information on FLEXcon's membrane switch solutions, contact your local Sales Representative or the Performance Products Business Team today at (508) 885-8440.

## Typical Applications

- Automotive instrumentation
- Exercise equipment
- Consumer electronics
- Household appliances
- Medical instrumentation
- Scientific Instrumentation

## Pressure-Sensitive Solutions for Membrane Switch Assembly

### SWITCHmark® Polyester with Adhesive on Two Sides

- 212R** 1 mil (25 micron) untreated polyester with 2 mils (51 micron) of adhesive on both sides. Supplied with a 90 lb. polycoated liner on one side and an 80 lb. mando liner with backprinted diagonal stripes on the other side.
- 222Y** 2 mil (25 micron) untreated polyester with 2 mils (51 microns) of adhesive on both sides. Supplied with a 90 lb. polycoated liner on one side and an 80 lb. mando liner with backprinted diagonal stripes on the other side.
- 232G** 3 mil (76 micron) untreated polyester with 2 mils (51 micron) of adhesive on both sides. Supplied with a 90 lb. polycoated liner on one side and an 80 lb. mando liner with backprinted diagonal stripes on the other side.
- 252B** 5 mil (127 micron) untreated polyester with 2 mils (51 micron) of adhesive on both sides. Supplied with a 90 lb. polycoated liner on one side and an 80 lb. mando liner with backprinted diagonal stripes on the other side.
- 272** 7 mil (178 micron) untreated polyester with 2 mils (51 micron) of adhesive on both sides. Supplied with a 90 lb. polycoated liner on one side and an 80 lb. mando liner with backprinted diagonal stripes on the other side.
- 2102** 10 mil (254 micron) untreated polyester with 2 mils (51 micron) of adhesive on both sides. Supplied with a 90 lb. polycoated liner on one side and an 80 lb. mando liner with backprinted diagonal stripes on the other side. Ideal for burying LEDS within a switch.

### SWITCHmark® Polyester with Adhesive on One Side

- 012** 1 mil (25 micron) untreated clear polyester film with 2 mils (51 micron) adhesive on one side. This construction comes on a 90 lb. polycoated release liner.
- 022** 2 mil (51 micron) untreated clear polyester film with 2 mils (51 micron) adhesive on one side. This construction comes on a 90 lb. polycoated release liner.
- 032** 3 mil (76 micron) untreated clear polyester film with 2 mils (51 micron) adhesive on one side. This construction comes on a 90 lb. polycoated release liner.
- 052** 5 mil (127 micron) untreated clear polyester film with 2 mils (51 micron) adhesive on one side. This construction comes on a 90 lb. polycoated release liner.

### SWITCHmark® Laminating Adhesive (Roll Form)\*

- 200** 2 mils (51 micron) of laminating adhesive on a single polycoated differential release liner.
- 400** 4 mils (102 micron) of laminating adhesive on a single polycoated differential release liner.

### SWITCHmark® Laminating Adhesive (Sheet Form)\*

- 200S** 2 mils (51 micron) of laminating adhesive in sheets with an 80 lb. bleached printed release liner on one side and a 90 lb. polycoated release liner on the other side.
- 400S** 4 mils (102 micron) of laminating adhesive in sheets with an 80 lb. bleached printed release liner on one side and a 90 lb. polycoated release liner on the other side.

 denotes Underwriters Laboratories recognition under Laminating Adhesives UL 746C (FLEXcon file no. MH18496) and UL 969 (FLEXcon file no. MH10170), Marking and Labeling Systems Materials Component.

\*SWITCHmark® white laminating adhesive available for improved opacity of printed graphics.

100410