



# Membrane Switch Spacer/Data Page

FOD # 0224

## Scotch™ 7953MP Membrane Spacer

### Product Construction

Release Liner: 4.0 mil (100 microns), 58# Polycoated Kraft Liner printed “Scotch” Laminating Adhesive

Adhesive: 1.5 mil (37.5 microns), #200MP “Hi-Performance” Acrylic

Carrier: 0.5 mil (12.5 microns), Polyester

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### Applications

- Attach graphic overlay to Membrane Switch circuit.
- Separate circuits within a Membrane Switch.
- Attach Membrane Switch to backer panel.

### Features

- Long term, environmentally stable bond that resists U.V. light, chemicals, and temperatures to 300 F.
- Die cuttable, moisture stable liner with easy removal for improved processing of parts.
- High cohesive strength to withstand the repeated stresses of switch actuation.

### Physical Properties

(Typical values – not for specification use)

	<u>Oz./In.</u>	<u>N/100mm</u>
Initial Adhesion, Dynamic Peel 180°, to stainless steel, 1 mil polyester backing. (ASTM D-3330, PSTC-3)	72	(79)

### Processing

Die Cutting: Use sharp tooling, properly designed for the cutting of pressure sensitive adhesives and the laminated material. It is helpful to lubricate tooling with a low residue “vanishing” type of oil for improved handling.

Roll Laminating: Use rubber over steel roll set up with firm application pressure. Make adhesive to substrate contact at nip area only to exclude air entrapment.

## Special Considerations

For maximum bond strength, surface should be thoroughly cleaned and dried. A typical cleaning solvent is heptane or isopropyl alcohol. CAUTION: Follow manufacturer's instructions when using solvents.

Bond strength may be improved with firm application pressure and moderate heat, which will help adhesive flow out and develop better contact with bonding surface. Ideal application temperature range is 70 F to 100 F (21 C. to 38 C.). Initial application to surfaces below 50 F. (10 C.) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

3/24/88

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### Identification and Converter Systems Division

3M Center, Building 220-7W-03  
St. Paul, MN 55144-1000  
USA  
1 800 328 1681  
1 800 258 7511 FAX  
e-mail idconvert@mmm.com

### 3M Canada Inc.

PO Box 5757  
London, Ontario  
Canada N6A 4TI  
1 800 265 1840  
519 452 6090 FAX

### 3M Mexico, S.A. de C.V.

Apartado Postal 14-139  
Mexico, D.F. 07070  
Mexico  
52 5 728 2289  
52 5 728 2299 FAX

### 3M Puerto Rico, Inc.

Puerto Rico Industrial Park  
PO Box 100  
Carolina, PR 00986-0100  
809 750 3000  
809 750 3035 FAX