# Heavy-Linered Membrane Switch Spacer 9061MP

## Product Data Sheet

Updated : July 2000
Supersedes : August 1995

**Physical Properties**
Not for specification purposes

| | |
|---|---|
| **Adhesive** | 2.0 thou (50 micron) #200MP |
| **Carrier** | 2.0 thou (50 micron) Polyester |
| **Adhesive** | 7.0 thou (175 micron) #200MP |
| **Liner** | 6.7 thou (170 micron) Polycoated Bleached Kraft (90#/90#) (each side) 146 g/m² |
| **Shelf Life** | 12 months from date of manufacture by 3M if stored at room temperature condition in cool, dry and sun protected room. |

**Features:**

- Die-cuttable, layflat moisture stable liner with easy removal for improved handling during processing.
- High cohesive strength to withstand internal stresses of a Membrane Switch.
- Excellent temperature, humidity and chemical resistance.

**Applications**

- Attach graphic overlay to tactile Membrane Switch
- Separate circuits within Membrane Switch
- Attach Membrane Switch to backer panel

Date : July 2000
Heavy-Linered Membrane
Switch Spacer 9061MP

## Environmental Performance
**Not for specification purposes**

| | |
|---|---|
| **Bond Build Up** | The bond strength of Scotch spacers increase as a function of time and temperature. |
| **Chemical Resistance** | Excellent resistance to gasoline, oil, sodium chloride solution and mild acids and alkalis. |
| **Water Resistance** | Immersion in water has no appreciable effect on the bond strength. |

## Physical Properties
**Not for specification purposes**

| | |
|---|---|
| **Initial Adhesion** | Dynamic Peel 90° modified ASTM D3330, PSTC3, 50 micron aluminium backing to stainless steel.<br><br>5.4 N/10mm |

## Processing

Die Cutting:
Use sharp tooling, properly designed for the cutting of pressure sensitive adhesives and the laminating 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. Consult manufacturers Material Safety Data Sheet for proper handling and storage of cleaning solvents and die lubricants.

Bond strength may be improved with firm application pressure and moderate heat. This will help adhesive flow out and develop better contact with bonding surface. Ideal application temperature is 21°C to 38°C. Initial application to surface below 10°C is not recommended because the adhesive becomes too firm to adhere readily. However, if properly applied, low temperature holding is generally satisfactory.



**Tapes & Adhesives Group**



3M United Kingdom PLC
3M House, PO Box 1,
Market Place,
Bracknell, Berkshire,
RG12 1JU

Product Information :

Tel 0870 60 800 50
Fax 0870 60 700 99

3M Ireland
3M House, Adelphi Centre,
Upper Georges Street,
Dun Laoghaire, Co. Dublin,
Ireland

Customer Service :

Tel (01) 280 3555
Fax (01) 280 3509