



Membrane Switch Spacer 7953MP

Product Data Sheet

Updated : April 2004
Supersedes : July 2000

Physical Properties

Not for specification purposes

Release Liner	4.0 thou (100micron) 58# Polycoated Kraft Liner printed "Scotch" Laminating Adhesive
Adhesive	1.5 thou (37.5 micron) #200 "High Performance" Acrylic
Carrier	0.5 thou (12.5 micron) Polyester
Adhesive	1.5 thou (37.5 micron) #200 "High Performance" Acrylic
Liner	4.0 thou (100micron) 58# Polycoated Kraft Liner printed "Scotch" Laminating Adhesive
Shelf Life	12 months from date of manufacture by 3M if stored at room temperature condition in cool, dry and sun protected room.

Features:

- Long term environmentally stable bond that resists UV 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 repeated stresses from switch activation.

Applications

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

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**Initial Adhesion, dynamic peel 180° to stainless steel, 1 mil polyester backing.
(ASTM D-3330, PSTC-3)**

7.9 N/10mm

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 is generally satisfactory.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



Tapes & Adhesives Group

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