



Membrane Switch Spacer Data Page

FOD # 0198

3M™ 7945MP Membrane Spacer (2-1-2)

Production Construction

Liner:	58# Polycoated Kraft
Adhesive:	2.0 mils #200MP “Hi-Performance” Acrylic
Carrier:	1.0 mil Transparent Polyester
Adhesive:	2.0 mils #200MP “Hi-Performance” Acrylic
Liner:	58# Polycoated Kraft

Applications

- Designed to separate circuitry until actuation.

Features

- High performance adhesive withstands repeated stresses of switch actuation
- Excellent shear strength
- Long term, environmentally stable adhesive to resist U.V. light, chemicals and temperatures to 300 F
- Moisture stable liner
- Liner is silicone coated on adhesive side only, allowing for ease of stacking parts

Physical Properties

(Typical values - not for specification use)

	<u>Oz./In.</u>	<u>(N/100mm)</u>
Initial Adhesion, Dynamic Peel 90 degrees to stainless steel, 2 mil aluminum backing. (Modified ASTM D-3330, PSTC-3)	56	(61)

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. Consult the manufacturer’s Material Safety Data Sheet for proper storage and handling of vanishing oils.

Roll Laminating: Use rubber over steel roll set up with firm application pressure. Make adhesive to 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 the manufacturer’s Material Safety Data Sheet for proper handling and storage instructions.

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.

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