



Technical Data

DSM7 Membrane Switch Spacer

Product Description

Composition:

Release Liner:	PE Laminating Yellow Kraft Release Paper	→	Release Liner
Adhesive:	0.056mm Acrylic-based	→	Adhesive
Carrier:	0.188mm Polyester Film	→	Carrier
Adhesive:	0.056mm Acrylic-based	→	Adhesive
Liner:	PE Laminating White Kraft Release Paper	→	Release Liner

Total Thickness: 0.30 mm ± 0.02 mm

Applications:

The circuit layers spacer of membrane switch.

Features:

- Excellent adhesion under high and low temperature.
- High bonding strength in high surface energy plastics, such as polyester, ABS, and polycarbonate.
- Good resistance under oil, solvent, heat, and humidity conditions.

Properties and Performance:

Temperature Range:

- High long term (days, weeks), 120 degrees C.
- High short term (minutes, hours), 150 degrees C.

Chemical Resistance:

Solvent resistance is excellence when DSM7 is properly applied in impervious materials. The adhesive resists softening through edge with many kinds of mild acid, alkaline solvent, and oil.

Bond Build-Up:

The bonding strength of DSM7 increases as a function of time and temperature.

Holding Power (PSTC-7) 140±20↑ **Minutes**

ADHESION PROPERTIES:

This data stated average values or typical values and should not be used for any specification purpose.

ASTM D-1000

(180 Degrees of Peeling Adhesion)

<u>Substrate</u>	<u>Units</u>	<u>Avg. Test Values</u>
Stainless Steel	Kg/Inch	1 - 2.2
Polycarbonate	Kg/Inch	1.2
PET	Kg/Inch	1.2
Aluminum	Kg/Inch	1

Application Properties:

1. To obtain optimal adhesion, the bonding surface must be dry and clean. The typical surface cleaning agents are acetone, heptane, or isopropyl alcohol.
2. The ideal application temperature range is 20 degrees C to 40 degrees C. To apply tape on surface at temperature below 10°C be not recommend, because the adhesive becomes firm to adhere lightly.

Shelf Life:

Twelve months when stored in original carton at 23°C and 65 % relative humidity.

Test Method : In accordance with ASTM D-1000 and PSTC-7 method

Shelf Life : 12 months when stored in original carton at 23°C and 65% relative humidity

Availability : Standard Roll Size: 970mm x 100Mtr

Important Notice to Purchaser

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