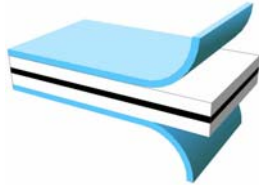




AVERY DENNISON MS 7005

HP2 Pure Acrylic DC Spacer 125µm

◆ CONSTRUCTION



Adhesive: Both sides cross-linked, long life, pure acrylic, pressure-sensitive adhesive, typified by a medium tack, a very high shear and temperature performance

Carrier: 23 micron clear high performance polyester film

Liners: Brown moisture-stable, polyethylene coated paper. Mounting side with red "Avery Dennison" imprint.

Features

- ◆ HP2 pure acrylic adhesive
- ◆ Polyester carrier

Benefits

- ◆ Provides excellent temperature performance, UV-, chemical and moisture resistance and good adhesion to high surface energy substrates
- ◆ Compatible with printing inks and offers a very long life time
- ◆ Low shrinkage even when subjected to elevated temperature

◆ TYPICAL APPLICATIONS



An ideal product for bonding, sealing and separating switch circuitry. The product is intended for use as a spacer tape in membrane switch applications.

◆ TEMPERATURES

Application (minimum)	+10 °C
Service (continuous)	-40 °C to +160 °C
Short term	+180 °C

◆ NOTE

The Avery Dennison MS range has been tested and proven to be compatible with the major components used in membrane switch constructions: films, graphical inks, conductive inks. When mounting the spacer directly on a surface with low surface energy, comparable to polypropylene, a LSE tape is advised in this case. Contact your sales representative for the product portfolio on LSE tapes.

Physical Properties

Typical Values

THICKNESS

Adhesive + Carrier	125 microns
Liner MS	138 microns
Liner LS	138 microns
Total	401 microns

*ATM.7

ELONGATION

90 %

TENSILE STRENGTH

3 kN/m

*AST.13 - ASTM D882

TACK (finat)

MS/LS

*ATM.8 - FINAT.9

20 N/25mm

ADHESION (90° peel) N/25mm

	<u>20 min</u>	<u>24 hrs</u>
	MS/LS	MS/LS

Stainless Steel	14	17
Polycarbonate	11	13
Polyester	16	20
ABS	15	17
Polypropylene	4	5
Aluminium	16	19

*ATM.1 - PSTC.1

SHEAR RESISTANCE

MS/LS

(static - 1000g/25mm x 25mm)

> 10.000 min

*TESTMETHODS



ISO 9001:2000
Certificate number Q 5757



06.05

◆ **SURFACE PREPARATION**

It is essential, as with all pressure sensitive tapes, that the surface to which the tape is applied be clean, dry and free of grease and oil. The surface tension of the substrates should be tested to insure a good match with pure acrylic adhesive.

◆ **STORAGE AND SHELF LIFE**

The shelf life of the product is two years when stored at 18-22°C, 30-70 % relative humidity and out of direct sunlight, in original packaging.

◆ **WEBSITE**

Visit us at: <http://steu.averydennison.com>

Important - Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. It should be noted that the substrate test materials are generic and therefore actual results may vary from those given above. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All Avery Dennison materials described herein are sold subject to Avery Dennison's Conditions of Sales, a copy of which is available on request.

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