

# Avery Dennison™ FT 397

## DC Mounting Tape 12μ carrier

### ◆ DESCRIPTION

Avery Dennison™ DC Mounting Tape is a 12 micron polyester film coated on both sides with a pure acrylic adhesive and protected on each side by a thick clay-coated paper liner.

The product is intended for use as a mounting tape in membrane switch applications.

It is also suitable for many other interior and exterior applications where particularly high performance is required.

### ◆ CONSTRUCTION

Adhesive : Both sides cross-linked, long life, acrylic, pressure-sensitive adhesive.  
Carrier : 12 micron high performance, transparent polyester film.  
Liner : Thick, one side clay-coated paper.

### ◆ FEATURES & BENEFITS

#### Features

- \* Cross-linked acrylic adhesive
- \* Polyester carrier
- \* Smooth adhesive layer
- \* Low in Chlorine and Sulphur content
- \* Clay-coated liner
- \* UL-969 recognized (file MH 27536)

#### Benefits

- \* Provides excellent temperature performance, UV-, chemical and moisture resistance and transparency.
- \* Compatible with most printing inks and offers a very long life time.
- \* Low shrinkage even when subjected to temperature.
- \* No unevenness in the finished appearance of the MTC
- \* Exceptional resistance to corrosion.
- \* Good layflat.
- \* Smooth adhesive surface.

### ◆ TYPICAL APPLICATIONS

An ideal product for mounting graphic overlays to membrane touch control assemblies and for bonding the entire panel to rigid base.

### ◆ 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.



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| Physical Properties  | Typical Values |               | Units   | Test Methods             |
|--|----------------|---------------|---------|--------------------------|
| <b>THICKNESS</b>   |                |               |         |                          |
| Adhesive + Carrier :   | 88             |               | microns | ATM .7                   |
| Liner MS :   | 131            |               | microns |                          |
| Liner LS :   | 131            |               | microns |                          |
| Total  | 350            |               | microns |                          |
| <b>ELONGATION</b>  | 100            |               | %       | ATM.13-                  |
| <b>TENSILE STRENGTH</b>  | 2              |               | kN/m    | ASTM D882                |
| <b>TACK</b> (Finat)*   | 700            |               | N/m     | ATM.8-FINAT.9            |
| <b>ADHESION</b> (180° peel)  | <u>20 min</u>  | <u>24 hrs</u> | N/m     | ATM.1-PSTC.1             |
| Stainless steel  | 540            | 570           |         |                          |
| Painted steel  | 460            | 530           |         |                          |
| Polycarbonate  | 615            | 690           |         |                          |
| Rigid polypropylene  | 280            | 300           |         |                          |
| Polyester  |                | 470           |         |                          |
| ABS  | 460            | 545           |         |                          |
| <b>SHEAR RESISTANCE</b><br>(Static-1000g/25mmx25mm)  | 10.000         |               | min     | ATM.2-FINAT.8-<br>PSTC.7 |
| <b>DIELECTRICAL STRENGTH</b>   | 380            |               | kV/mm   | DIN 40634                |
| <b>VOLUME RESISTIVITY</b>  | 10E16          |               | Ω cm    | DIN 40634                |
| <b>SURFACE RESISTANCE</b>  | 10E14          |               | Ω       | DIN 53483                |
| <b>COPPER COROSIVENESS</b><br>72 hrs, 100°C  | no corrosion   |               |         |                          |
| <b>ADHESIVE CONTENT</b>  |                |               |         |                          |
| Chlorine   | < 100          |               | ppm     |                          |
| Sulphur  | < 100          |               | ppm     |                          |
| <b>TEMPERATURES</b>  |                |               |         |                          |
| Application (minimum)  | + 10           |               | °C      |                          |
| Service (continuous)   | -40 to + 120   |               | °C      |                          |
| Short time   | + 140          |               | °C      |                          |
| <b>STORAGE and SHELF LIFE</b>  |                |               |         |                          |
| Two years when stored at 21° C (70° F), 50 % relative humidity, out of direct sunlight, in original packaging.   |                |               |         |                          |
| <b>Important</b> - 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. Purchasers should independently determine prior to use the suitability of this material for their specific purposes.<br>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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Avery Dennison™ is a trademark of Avery Dennison Corporation.

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