

## TECHNICAL DATA SHEET

**Avery Dennison™ FM M1750** is a rubber based double coated polyethylene foam tape used for general mounting applications where a high shear and high performance are needed and where there is a request for a low density foam.

### FEATURES

- 1,0 mm white, cross-linked, closed-cell, low density polyethylene foam
- Rubber based adhesive
- Easy release glassine liner

### BENEFITS

- Provides conformability to rough, irregular, flat or curved surfaces
- High internal strength providing conformability to irregular surfaces combined with excellent gap filling properties
- Immediate high initial adhesion for part placement, high ultimate adhesion and shear bonding strength
- Excellent adhesion to a variety of metals, rigid plastics such as polypropylene, PVC, ABS and polycarbonate
- Medium resistance to solvents, chemicals, plasticizers, temperature and UV light
- High resistance to moisture
- Excellent water jet, kiss-cutting and die cutting characteristic



### CONSTRUCTION

**Liner:** White glassine

**Adhesive 1:** solvent rubber

**Carrier:** White polyethylene Foam 50 kg/m<sup>3</sup>

**Adhesive 2:** solvent rubber

Adhesive Properties	Typical Values		
<b>THICKNESS (ASTM D3652)</b>	<b>US Mils</b>	<b>MM's</b>	<b>Micron's (µm)</b>
Liner	2.95	0.075	75
Total Caliper without liner	43.31	1.1	1100
Total Caliper	46.26	1.175	1175
<b>PEEL ADHESION (ASTM D3330)</b>			
180° (12") 300 mm / min @ Room Temp			
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>N / Meter</b>
SS	72 hr dwell	> 3.6	> 630
ABS	72 hr dwell	> 3.6	> 630
<b>STATIC SHEAR (ASTM D3654)</b>			
1"sq (6.25 cm <sup>2</sup> )1000 g @ Room Temp			
<b>SUBSTRATE</b>		<b>Min to Fail</b>	
Stainless Steel	24 hr dwell	> 5000	
<b>TEMPERATURES</b>		<b>°F</b>	<b>°C</b>
Minimum Application Temperature		50 °F	10 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		140 °F	60 °C

Note: The listed values are typical only and not intended to serve as product specifications

### APPLICATION TECHNIQUES

- 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 or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / rigid) surface achieves different performance

### STORAGE / SHELF LIFE

Two years when stored at 64-72 °F (18-22 °C) / 30-70 % relative humidity, out of direct sunlight and in original packaging.

**For more information on our bonding tapes and adhesive solutions, call us:**

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