

## TECHNICAL DATA SHEET

**Avery Dennison™ FM M2705** is a solvent based pure acrylic double coated polyethylene foam tape used for high demanding mounting applications where a high shear and high performance are required. Typical application usage in the automotive industry (external side mirror system and internal rearview mirror system), in the white goods industry (holding wires, cable clips, door handle bonding) and in the building & construction industry (fixation of profiles, trims and skirting boards).

### FEATURES

- 0,8 mm black, cross-linked, closed-cell polyethylene foam
- Solvent based pure acrylic
- Easy release transparent PET-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
- High ultimate adhesion and shear bonding strength
- Excellent adhesion to a variety of metals, rigid plastics such as polypropylene, PVC, ABS and polycarbonate
- Excellent resistance to solvents, chemicals, plasticizers, temperature and UV light
- High resistance to moisture
- Tear resistant liner with excellent converting properties



### CONSTRUCTION

**Liner:** Transparent polyester

**Adhesive 1:** Pure solvent acrylic

**Carrier:** Black polyethylene foam 800µm

**Adhesive 2:** Pure solvent acrylic



Performance  
Tapes

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		1.42	0.036	36
Carrier & Adhesive		35.43	0.900	900
Total Caliper		36.85	0.936	936
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell			
	72 hr dwell	>4.5	>72	>790
ABS	72 hr dwell	>4.5	>72	>790
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial			
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm <sup>2</sup> ) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Foil; 1" sq (6.5 cm <sup>2</sup> ); 1000 g	Initial	> 1000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Maximum Continuous Operating Temperature			212 °F	100 °C
Maximum Intermittent Operating Temperature			212 °F	100 °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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[www.tapes.averydennison.com](http://www.tapes.averydennison.com)