



## FL 1007

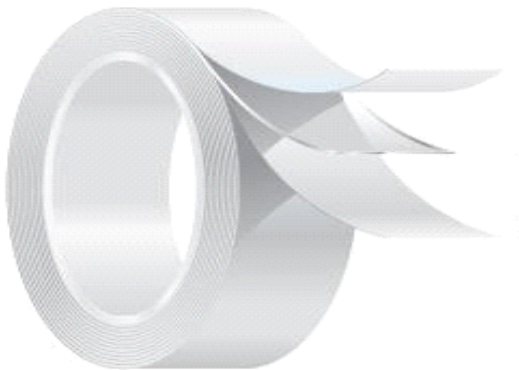
Avery Dennison™ FL 1007 is a 3.0 mil single coated foil with high performance acrylic adhesive. It bonds well to medium, and high surface energy plastics and metals. FL 1007 is suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.

### FEATURES

- Single coated construction
- Dead soft aluminum foil facestock
- Multipurpose HPA™ high performance acrylic adhesive
- Strong densified kraft liner

### BENEFITS

- Conformable foil bonds to flat or contoured surfaces
- Strong bond to a variety of medium and high surface energy materials
- Excellent resistance to solvents and heat
- High holding power to high and medium surface energy materials
- Two-year warranty



### CONSTRUCTION:

**Liner:**

60# White Kraft

**Adhesive:**

HPA™ High Performance Acrylic (HPA™)

**Carrier:**

Foil

**FL 1007**

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.5	0.09	89
Adhesive		1.0	0.03	25
Carrier		3.0	0.08	76
Total Caliper without Liner:		4.0	0.10	102
Total Caliper:		7.5	0.19	191

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	72 hr dwell	4.0	704	

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Initial	6.0	1,057	

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm2) 1000 g @ Room Temp				
Substrate		Min to Fail		
SS	24 hr dwell	> 10,000		

TEMPERATURES	° F	° C
Minimum Application Temperature	50° F	10° C
Minimum Service Temperature	-40° F	-40° C
Maximum Service Temperature	400° F	205° C

THE LISTED VALUES ARE TYPICAL 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.

Please refer to [Tapes.AveryDennison.com](http://Tapes.AveryDennison.com) for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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