



## FL 1008

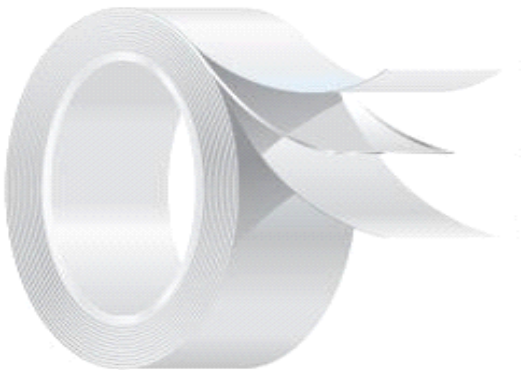
Avery Dennison™ FL 1008 is a 1.9 mil single coated foil with general purpose acrylic adhesive that bonds well in cold temperature environments. It bonds well to low, medium, and high surface energy plastics and metals. FL 1008 is suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.

### FEATURES

- Single coated construction
- Dead soft aluminum foil facestock
- Specially formulated antimicrobial, extreme weather, COLD TOUGH® 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
- Application temperature as low as 0° F
- Two-year warranty



### CONSTRUCTION:

**Liner:**

60# White Kraft

**Adhesive:**

COLD TOUGH® Acrylic

**Carrier:**

Foil

**FL 1008**

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.2	0.08	81
Adhesive		1.5	0.04	38
Carrier		1.9	0.05	48
Total Caliper without Liner:		3.4	0.09	86
Total Caliper:		6.6	0.17	168

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	350° F	175° 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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