



FL 1002

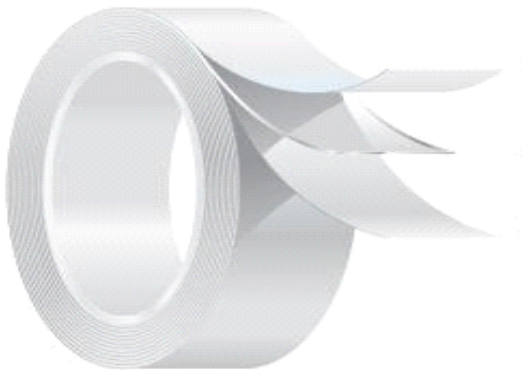
Avery Dennison™ FL 1002 is a 1.9 mil single coated foil with general purpose rubber adhesive. It bonds well to low, medium, and high surface energy plastics and metals. FL 1002 is suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.

FEATURES

- Single coated construction
- Dead soft aluminum foil facestock
- General purpose rubber adhesive
- Strong densified kraft liner

BENEFITS

- Conformable foil bonds to flat or contoured surfaces
- Strong bond to a variety of low, medium and high surface energy materials
- Two-year warranty



CONSTRUCTION:

Liner:

60# White Kraft

Adhesive:

Rubber

Carrier:

Foil

FL 1002

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.2	0.08	81
Adhesive		1.8	0.05	46
Carrier		1.9	0.05	48
Total Caliper without Liner:		3.7	0.09	94
Total Caliper:		6.9	0.18	175

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	72 hr dwell	11.4	2,008	

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Initial	3.7	652	

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm ²) 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	160° F	70° 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 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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