



FL 1000

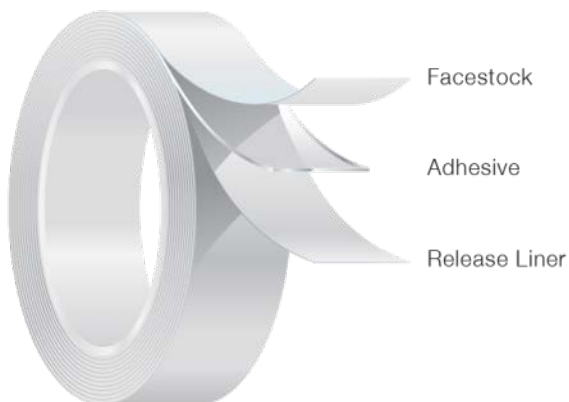
Avery Dennison FL 1000 is a 1.9 mil single coated foil with high performance acrylic adhesive. It bonds well to, medium, and high surface energy plastics and metals. FL 1000 is suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.

FEATURES:

- Single coated construction
- Dead soft aluminum foil facestock
- 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



CONSTRUCTION:

Liner:

60# White Kraft

Adhesive:

High Performance Acrylic

Carrier:

Dead soft aluminum foil facestock

FL 1000

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US mil	mm	micron (µm)
Liner		3.2	0.08	80
Carrier		1.9	0.05	50
Adhesive		2.4	0.06	60
Total Caliper without Liner:		4.3	0.11	110
Total Caliper:		7.5	0.19	190

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330		
Aluminum Foil	Initial	180°	12 in /min (305 mm / min)	
Substrate			Lbf / In	N / Meter
SS	Liner		5.5	960

LOOP TACK		Test Method(s): PSTC-16		
Aluminum Foil	Initial	20 in / min	(508 mm / min)	
Substrate			Lbf / In	N / Meter
SS	Liner		8.5	1,490

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654		
2 mil PET	24 hr dwell	1" sq (6.5 cm2)	10 lb	
Substrate			Mins to Fail	
SS	Liner		10,000	

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

- One year 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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