



## FL 1000

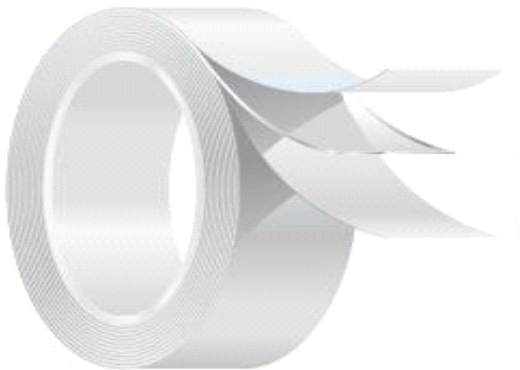
Avery Dennison™ FL 1000 is a 1.9 mil single coated foil with high performance acrylic adhesive. It bonds well to, medium, and high surface energy plastics and metals. FL 1000 is suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.

### 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
- Two-year warranty



### CONSTRUCTION:

**Liner:**

60# White Kraft

**Adhesive:**

High Performance Acrylic (HPA™)

**Carrier:**

Foil

**FL 1000**

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.2	0.08	81
Adhesive		2.4	0.06	61
Carrier		1.9	0.05	48
Total Caliper without Liner:		4.3	0.11	109
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	5.5	969	

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Initial	8.5	1,497	

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.

© 2020 Avery Dennison Corporation. All rights reserved. Avery Dennison® is a registered trademark of Avery Dennison Corporation. All other Avery Dennison brands, product names, antenna designs and codes or service programs are trademarks of Avery Dennison Corporation.



Performance  
Tapes

Asia Pacific  
Kunshan, China,  
NO. 618 Nanhe Road  
Kunshan Economic &  
Technological Zone  
China, 215335  
Phone: +86 512 57155001  
Fax: +86 512 57155059

Europe  
Tieblokkenlaan 1  
B-2300 Turnhout  
Belgium  
Phone: +32 (0)14 40 48 11  
Fax: +32 (0)14 40 48 55

North America  
250 Chester Street  
Painesville, Ohio  
44077 USA  
Phone: +1 866-462-8379  
Fax: +1 888-358-4469



Authorized Distributor,  
Converter, and Fabricator  
[www.jbc-tech.com](http://www.jbc-tech.com)