



FL 1000

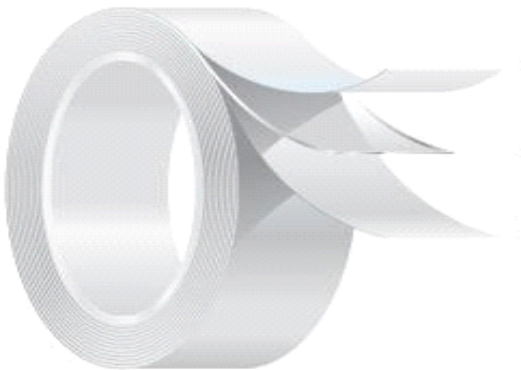
Avery Dennison™ FL 1000 is a 1.9 mil single coated foil with high performance acrylic adhesive. It bonds well to, medium, and high surface energy plastics and metals. FL 1000 is suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.

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 | |
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| Loop Tack | | ASTM D6195 | | |
|---------------------------------------|---------|------------|-----------|--|
| 180° 20 in (508 mm) / min @ Room Temp | | | | |
| Substrate | | Lbf / in | N / Meter | |
| SS | Initial | 8.5 | 1,497 | |
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| Static Shear | | ASTM D3654 | | |
|---|-------------|-------------|--|--|
| 180° 1" sq (6.5 cm2) 1000 g @ Room Temp | | | | |
| Substrate | | Min to Fail | | |
| SS | 24 hr dwell | > 10,000 | | |
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| 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 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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