



AFB™ 6180W

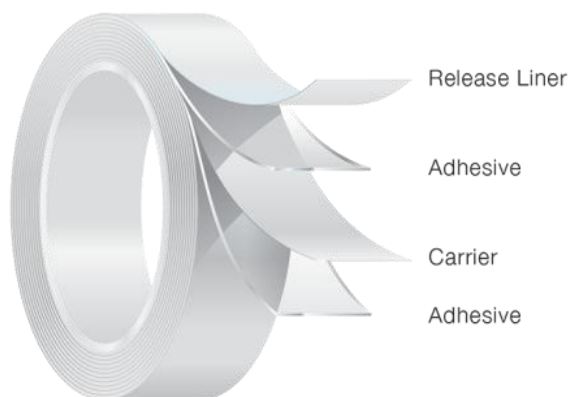
Avery Dennison AFB™ 6180W is white acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm foam adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer in vinyl substrates. Suitable for a wide range of applications, including large domestic appliances, nameplate or sign bonding, and control panel mounting

FEATURES:

- Foam tape with viscoelastic acrylic foam carrier
- Closed cell structure
- Acrylic adhesive system
- Easy release paper liner

BENEFITS:

- High adhesion combined with good shear absorbs shock and distributes stress evenly
- Good moisture, UV and high temperature resistance
- Uniform bonding performance
- Can help eliminate the need for mechanical fasteners, drilling or grinding and related clean-up for certain applications



CONSTRUCTION:

Liner:

Polyethylene Coated White Paper

Adhesive:

Acrylic

Carrier:

White Acrylic Foam Core

Adhesive:

Acrylic

AFB™ 6180W

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US Mils	MM's	Micron's (µm)
Liner:		6.3	0.16	160
Carrier & Adhesive:		31.5	0.80	800
Total Caliper:		37.8	0.96	960

PEEL ADHESION Test Method(s): PSTC-101, ASTM D-3330

2 mil PET 90° 12 in /min (305 mm / min)

Substrate		Lbf / In	N / 100 mm
SS	20 min dwell	11.3	198

2 mil PET 90° 12 in /min (305 mm / min)

SS	72 hr dwell	16.8	294

DYNAMIC SHEAR Test Method(s): ASTM D-1002

2 mil PET 0.5 in /min (12.7 mm / min)

Substrate		Lbf / In ²	kPa
Liner	72 hr dwell	114.6	790

NORMAL TENSILE Test Method(s): ASTM D-897Aluminum 2 in / min (50.8 mm / min) 1" sq (6.5 cm²)

Substrate		Lbf / In ²	kPa
Aluminum	72 hr dwell	113.1	780

STATIC SHEAR Test Method(s): PSTC-101, ASTM D-33302 mil PET 1" sq (6.5 cm²) 500 g

Substrate		Min to Fail
SS	@ 90°C	> 10,000

TEMPERATURES

	° F	° C
Long Term Temp (10,000 mins)	194 ° F	90 ° C
Short Term Temp (240 mins)	302 ° F	150 ° 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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