



AFB™ 6105B

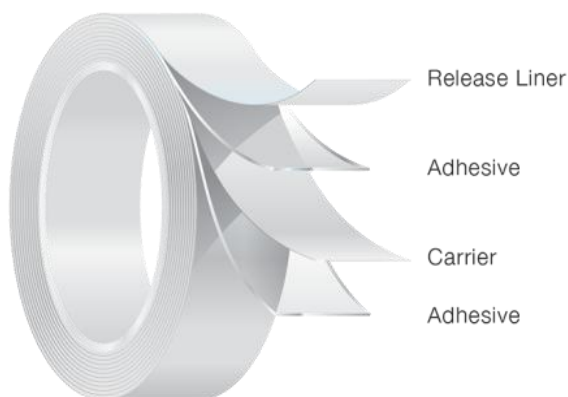
Avery Dennison AFB™ 6105B is a black acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm yet thin foamed adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer in vinyl substrates. Suitable for a wide range of applications, including nameplate, 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:

Black Acrylic Foam Core

Adhesive:

Acrylic

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Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US Mils	MM's	Micron's (µm)
Liner:		6.3	0.16	160
Carrier & Adhesive:		5.9	0.15	150
Total Caliper:		12.2	0.31	310

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	7.1	124
2 mil PET	90°	12 in / min (305 mm / min)		
SS		72 hr dwell	9.1	159

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	134.9	930

NORMAL TENSILE		Test Method(s): ASTM D-897		
Aluminum	2 in / min (50.8 mm / min)	1" sq (6.5 cm ²)		
Substrate			Lbf / In ²	kPa
Aluminum		72 hr dwell	132.0	910

STATIC SHEAR		Test Method(s): PSTC-101, ASTM D-3330		
2 mil PET	1" sq (6.5 cm ²)	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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