



AFB™ 6105B

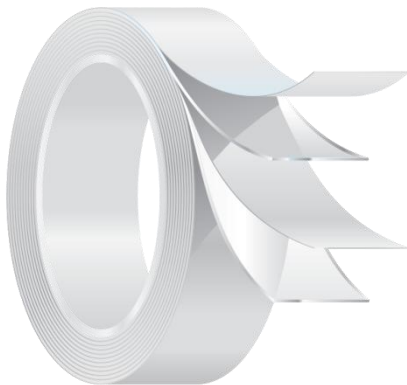
Avery Dennison AFB 6105B is a black acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm foam adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer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

FEATURES:

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

Red PE liner with Avery Dennison logo

Adhesive:

Multiple Purpose Acrylic

Carrier:

Black Acrylic Foam Core

Adhesive:

Multiple Purpose Acrylic

AFB 6105B

Adhesive Properties	Typical Values			
	US Mils		mm	Microns (µm)
THICKNESS				
Adhesive + Carrier	5.9		0.15	150
Liner	6.3		0.16	160
Total	12.2		0.31	310
*PSTC-133				
PEEL ADHESION				
2 mil PET; 90°; 12" / min				
Substrate	Lbf / in		N / 25mm	
	20 min	72 hr	20 min	72 hr
Stainless steel	7.1	9.1	31	40
*PSTC-101, ASTM D-3330, STD-10				
DYNAMIC SHEAR				
2 mil PET, 0.5 in / min (12.7 mm / min) 72hr@RT				
Substrate	Lbf / in²		kPa	
Stainless steel	135		930	
*ASTM D-1002				
NORMAL TENSILE				
Aluminum 2in / min (50.8 mm / min) 1" sq (6.5 cm ²) 72hr@RT				
Substrate	Lbf / in²		kPa	
Stainless steel	132		910	
*ASTM D-897				
STATIC SHEAR				
2 mil PET; 1" sq (6.5 cm ²); 500g@90°C				
Substrate	Min to Fail			
Stainless steel	>10,000 min			
*PSTC-107, ASTM D 3654, STD-9				
TEMPERATURES				
Min. Application Temp.	50 ° F		10 ° C	
Max. Continuous Operating Temp.	192 ° F		90 ° C	
Max. Intermittent Operating Temp.	302 ° F		150 ° C	
*TEST METHODS				

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / rigid) surface achieves different performance

STORAGE AND SHELF LIFE

The shelf life of the product is one year when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, 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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For more information on our bonding tapes and adhesive solutions, visit Tapes.AveryDennison.com