



## AFB™ 6102B

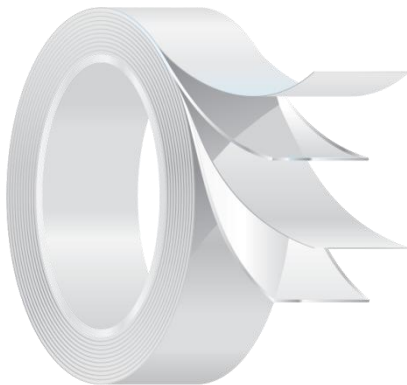
Avery Dennison AFB 6102B is a black acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm foam adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer 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 6102B

Adhesive Properties	Typical Values			
	US Mils		mm	Microns (µm)
<b>THICKNESS</b>				
Adhesive + Carrier	7.9		0.20	200
Liner	6.3		0.16	160
Total	14.2		0.36	360
*PSTC-133				
<b>PEEL ADHESION</b>				
2 mil PET; 90°; 12" / min				
<b>Substrate</b>	<b>Lbf / in</b>		<b>N / 25mm</b>	
	20 min	72 hr	20 min	72 hr
Stainless steel	8.2	10.5	36	46
*PSTC-101, ASTM D-3330, STD-10				
<b>DYNAMIC SHEAR</b>				
2 mil PET, 0.5 in / min (12.7 mm / min) 72hr@RT				
<b>Substrate</b>	<b>Lbf / in<sup>2</sup></b>		<b>kPa</b>	
Stainless steel	131		900	
*ASTM D-1002				
<b>NORMAL TENSILE</b>				
Aluminum 2in / min (50.8 mm / min) 1" sq (6.5 cm <sup>2</sup> ) 72hr@RT				
<b>Substrate</b>	<b>Lbf / in<sup>2</sup></b>		<b>kPa</b>	
Stainless steel	129		890	
*ASTM D-897				
<b>STATIC SHEAR</b>				
2 mil PET; 1" sq (6.5 cm <sup>2</sup> ); 500g@90°C				
<b>Substrate</b>	<b>Min to Fail</b>			
Stainless steel	>10,000 min			
*PSTC-107, ASTM D 3654, STD-9				
<b>TEMPERATURES</b>				
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](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.

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