



## AFB™ 6311G

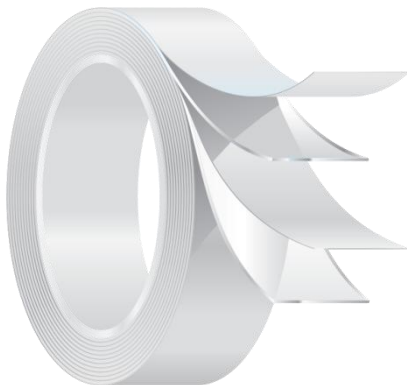
Avery Dennison AFB 6311G is a Grey acrylic foam tape with double coated multipurpose acrylic adhesive on both sides. It is used for bonding a wide range of high and medium surface energy substrates including PC/ABS. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB 6180GW is suitable for many interior and exterior industrial applications such as nameplate, sign, frame in home appliance, display.

### FEATURES:

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

### BENEFITS:

- High adhesion combined with good shear and stress relaxation; absorbs shock and distributes stress evenly
- Good resistance to moisture, UV, high temperature
- Uniform bonding performance
- Can help eliminate the need for mechanical fasteners, drilling or grinding and related clean-up for certain applications
- polyethylene liner helps provide good moisture stability and easier converting with its high tear strength



### CONSTRUCTION:

#### Liner:

Red PE liner with Avery Dennison logo

#### Adhesive:

Acrylic

#### Carrier:

Gray Acrylic Foam Core

#### Adhesive:

Acrylic

## AFB 6311G

Adhesive Properties	Typical Values		
	US Mils	mm	Microns (µm)
THICKNESS			
Adhesive + Carrier	43.3	1.10	1100
Liner	6.3	0.16	160
Total	49.6	1.26	1260

\*PSTC-133

### PEEL ADHESION

2 mil PET; 180°; 12" / min

Substrate	Lbf / in		N / 25mm	
	20 min	24 hr	20 min	24 hr
Stainless steel	8.6	12.6	38	55

\*PSTC-101, ASTM D-3330, STD-10

### DYNAMIC SHEAR

2 mil PET; 0.5 in / min; 1" sq (12.7mm/min),72hr@RT

Substrate	Lbf / in <sup>2</sup>	kPa
Stainless steel	72.5	500

\* ASTM D-1002

### NORMAL TENSILE

Aluminum 2in / min (50.8 mm / min) 1" sq (6.5 cm<sup>2</sup>),72hr@RT

Substrate	Lbf / in <sup>2</sup>	kPa
Stainless steel	65.3	450

\*ASTM D-897

### STATIC SHEAR

2 mil PET; 1" sq (6.5 cm<sup>2</sup>); 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.	212 ° F	100 ° 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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