



## AFB™ 8640G

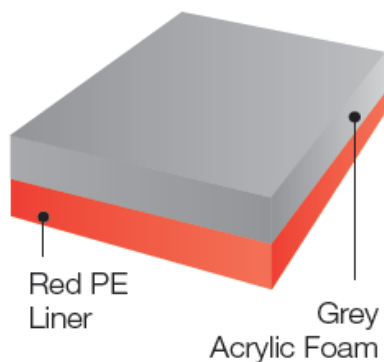
Avery Dennison AFB™ 8640G is a grey acrylic foam tape. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB™ 8640G is suitable for badge and emblem mounting in automobiles.

### FEATURES:

- Foam tape with viscoelastic acrylic foam carrier
- Closed cell structure
- Acrylic adhesive system
- Polyethylene liner helps provide good moisture stability and easier converting with its high tear strength

### BENEFITS:

- High adhesion combined with good shear absorbs shock and distributes stress evenly
- Good high temperature resistance
- High bond strength to irregular or curved surfaces
- Very good holding power



### CONSTRUCTION:

#### Liner:

Red Polyethylene Liner

#### Adhesive:

Acrylic

#### Carrier:

Gray Acrylic Foam Core

#### Adhesive:

Acrylic

**AFB™ 8640G**

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US Mils	MM's	Micron's (µm)
Liner:		5.1	0.13	130
Carrier & Adhesive:		15.8	0.40	401
Total Caliper:		20.9	0.53	531

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

Aluminum Foil 90° 12 in /min (305 mm / min)		Lbf / In	N / 100 mm
Substrate	24 hr dwell		
Automotive MSE Clear Coat		7.4	130
Aluminum Foil 90° 12 in /min (305 mm / min)		Lbf / In	N / 100 mm
Substrate	24 hr dwell		
Automotive MSE Clear Coat		3.4	60

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

Aluminum Foil 0.5 in /min (12.7 mm / min)		Lbf / In <sup>2</sup>	kPa
Substrate	24 hr dwell		
Liner		116.0	800

**NORMAL TENSILE** Test Method(s): ASTM D-897

Aluminum 2 in / min (50.8 mm / min) 1" sq (6.5 cm <sup>2</sup> )		Lbf / In <sup>2</sup>	kPa
Substrate	24 hr dwell		
Aluminum		58.0	400

**STATIC SHEAR** Test Method(s): PSTC-101, ASTM D-3330

Aluminum Foil 1" sq (6.5 cm <sup>2</sup> ) 1000 g @ Room Temp		Min to Fail
Substrate	24 hr dwell	
SS		> 10,000
Aluminum Foil 1" sq (6.5 cm <sup>2</sup> ) 500 g @ 80°C		Min to Fail
Substrate	24 hr dwell	
SS		> 10,000

**TEMPERATURES**

	° F	° C
Long Term Temp (10,000 mins)	248 ° F	120 ° C
Short Term Temp (240 mins)	320 ° F	160 ° 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](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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