



AFB™ 8612GW

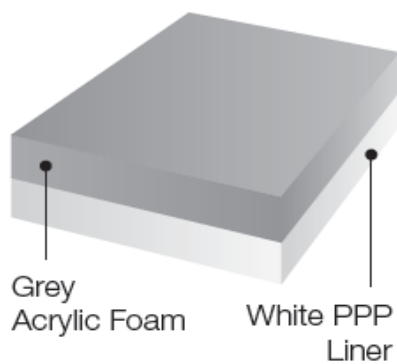
Avery Dennison AFB™ 8612GW is a grey acrylic foam tape. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB™ 8612GW is suitable for badge and emblem mounting in automobiles.

FEATURES:

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

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:

Polyethylene Coated White Paper

Adhesive:

Acrylic

Carrier:

Gray Acrylic Foam Core

Adhesive:

Acrylic

AFB™ 8612GW

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US Mils	MM's	Micron's (µm)
Liner:		5.1	0.13	130
Carrier & Adhesive:		47.2	1.20	1199
Total Caliper:		52.3	1.33	1328

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		11.4	200
Aluminum Foil 90° 12 in /min (305 mm / min)		Lbf / In	N / 100 mm
Substrate	24 hr dwell		
Automotive MSE Clear Coat		6.9	121

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

Aluminum Foil 0.5 in /min (12.7 mm / min)		Lbf / In ²	kPa
Substrate	24 hr dwell		
Liner		58.0	400

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

Aluminum 2 in / min (50.8 mm / min) 1" sq (6.5 cm ²)		Lbf / In ²	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 ²) 1000 g @ Room Temp		Min to Fail
Substrate	24 hr dwell	
SS		> 10,000
Aluminum Foil 1" sq (6.5 cm ²) 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 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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Performance
Tapes



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