



AFB™ 8612GS

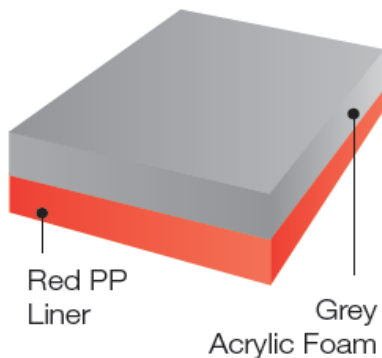
Avery Dennison AFB™ 8612GS is a grey acrylic foam tape. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB™ 8612GS is suitable for badge and emblem mounting in automobiles.

FEATURES:

- Foam tape with viscoelastic acrylic foam carrier
- Closed cell structure
- Acrylic adhesive system
- Polypropylene 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 Polypropylene Liner

Adhesive:

Acrylic

Carrier:

Gray Acrylic Foam Core

Adhesive:

Acrylic

AFB™ 8612GS

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US Mils	MM's	Micron's (µm)
Liner:		3.2	0.08	81
Carrier & Adhesive:		47.2	1.20	1199
Total Caliper:		50.4	1.28	1280

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330		
Aluminum Foil	90° 12 in / min (305 mm / min)			
Substrate		Lbf / In	N / 100 mm	
Automotive MSE Clear Coat	24 hr dwell	11.4	200	
Aluminum Foil	90° 12 in / min (305 mm / min)			
Automotive MSE Clear Coat	24 hr dwell	6.9	121	

DYNAMIC SHEAR		Test Method(s): ASTM D-1002		
Aluminum Foil	0.5 in / min (12.7 mm / min)			
Substrate		Lbf / In ²	kPa	
Liner	24 hr dwell	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)			
Substrate		Lbf / In ²	kPa	
Aluminum	24 hr dwell	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			
Substrate		Min to Fail		
SS	24 hr dwell	> 10,000		
Aluminum Foil	1" sq (6.5 cm ²) 500 g @ 80°C			
SS	24 hr dwell	> 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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