



## AFB™ 8640GW

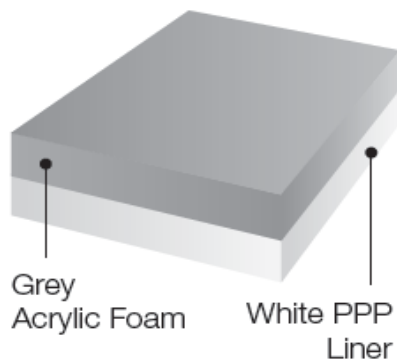
Avery Dennison AFB™ 8640GW is a grey acrylic foam tape. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB™ 8640GW is suitable for badge and emblem mounting in automobiles.

### 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™ 8640GW**

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

| DYNAMIC SHEAR |                              | Test Method(s): ASTM D-1002 |     |  |
|---------------|------------------------------|-----------------------------|-----|--|
| Aluminum Foil | 0.5 in / min (12.7 mm / min) |                             |     |  |
| Substrate     |                              | Lbf / In <sup>2</sup>       | kPa |  |
| Liner         | 24 hr dwell                  | 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> ) |                            |     |  |
| Substrate      |   | Lbf / In <sup>2</sup>      | 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 <sup>2</sup> ) 1000 g @ Room Temp |                                       |  |  |
| Substrate     |   | Min to Fail                           |  |  |
| SS            | 24 hr dwell                                     | > 10,000                              |  |  |
|               |   |                                       |  |  |
|               |   |                                       |  |  |
| Aluminum Foil | 1" sq (6.5 cm <sup>2</sup> ) 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](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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