



AFB™ 6311GW

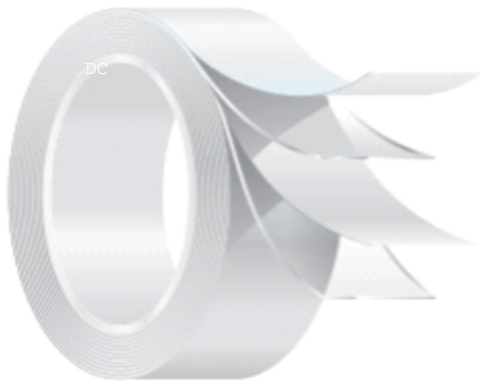
Avery Dennison™ AFB™ 6311GW is a gray acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This conformable foam adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer in vinyl substrates. Suitable for a wide range of applications, including large domestic appliances, nameplate or sign bonding, and control panel mounting.

FEATURES

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

BENEFITS

- High adhesion combined with good shear absorbs shock and distributes stress evenly
- Good moisture, UV and high temperature resistance
- Uniform bonding performance
- Helps 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:

Polyethylene Coated White Paper

Adhesive 1:

Acrylic

Carrier:

Gray Acrylic Foam Core

Adhesive 2:

Acrylic

AFB™ 6311GW**Adhesive Properties:****Typical Values**

| Thickness | ASTM D3652 | US Mils | MM's | Micron's (µm) |
|------------------------------|------------|---------|------|---------------|
| Liner | | 6.3 | 0.16 | 160 |
| Carrier & Adhesive | | 43.3 | 1.10 | 1100 |
| Total Caliper without Liner: | | 43.3 | 1.10 | 1100 |
| Total Caliper: | | 49.6 | 1.26 | 1260 |

Peel Adhesion

ASTM D3330

90° 12 in (300 mm) min @ Room Temp

| Substrate | | | Lbf / in | N / Meter |
|-----------|-------|--------------|----------|-----------|
| SS | Liner | 20 min dwell | 12.3 | 2,166 |
| | | | | |
| | | | | |
| SS | Liner | 72 hr dwell | 21.5 | 3,786 |
| | | | | |
| | | | | |

Dynamic Shear

ASTM D1002

180° 0.5 in (12.7 mm) / min @ Room Temp

| Substrate | | | Lbf / in | N / Meter |
|-----------|-------|-------------|----------|-----------|
| SS | Liner | 72 hr dwell | 143.0 | 25,182 |
| | | | | |
| | | | | |

Normal Tensile

180° 2 in (50.8 mm) / min @ Room Temp

| Substrate | | | Lbf / in | N / Meter |
|-----------|-------|-------------|----------|-----------|
| Aluminum | Liner | 72 hr dwell | 80.2 | 14,123 |
| | | | | |
| | | | | |

Static Shear

ASTM D3654

180° 1" sq (6.5 cm²) 500 g @ 194°F / 90°C

| Substrate | | | Min to Fail | |
|-----------|-------|---------|-------------|--|
| SS | Liner | Initial | > 10,000 | |
| | | | | |
| | | | | |

TEMPERATURES

| | ° F | ° C |
|-----------------------------|--------|--------|
| Minimum Service Temperature | 212° F | 100° C |
| Maximum Service Temperature | 302° F | 150° 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

Asia Pacific
Kunshan, China,
NO. 618 Nanhe Road
Kunshan Economic &
Technological Zone
China, 215335
Phone: +86 512 57155001
Fax: +86 512 57155059

Europe
Tieblokkenlaan 1
B-2300 Turnhout
Belgium
Phone: +32 (0)14 40 48 11
Fax: +32 (0)14 40 48 55

North America
250 Chester Street
Painesville, Ohio
44077 USA
Phone: +1 866-462-8379
Fax: +1 888-358-4469