



AFB™ 6140G

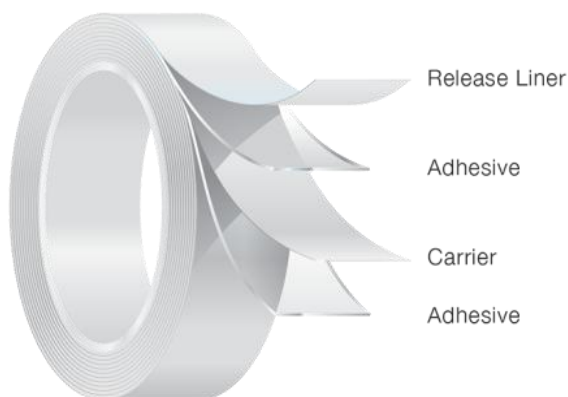
Avery Dennison AFB™ 6140G is a grey acrylic foam tape with general purpose acrylic adhesive. This conformable, foamed adhesive enables good lamination and maintains high internal strength on irregular substrates, even when surfaces are mismatched. Offers excellent longer term durability and internal strength, and is suitable for auto-dispensing by converters. Ideal for attachments in large domestic appliances, air-conditioners, housing lamination and nameplate or sign bonding. Suitable industry applications include manufacturing, construction and appliance assembly, including metal or plastic bonding with high internal strength. Suitable for office furniture and telecommunication mounting, decoration and TV frame mounting.

FEATURES:

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

BENEFITS:

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

Red Polyethylene Liner With Imprinted Avery Logo

Adhesive:

Acrylic

Carrier:

Gray Acrylic Foam Core

Adhesive:

Acrylic

AFB™ 6140G

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	400
Total Caliper:		20.9	0.53	530

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

2 mil PET 90° 12 in /min (305 mm / min)

Substrate		Lbf / In	N / 100 mm
SS	20 min dwell	8.8	154

2 mil PET 90° 12 in /min (305 mm / min)

SS	72 hr dwell	12.2	214

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

2 mil PET 0.5 in /min (12.7 mm / min)

Substrate		Lbf / In ²	kPa
Liner	72 hr dwell	118.9	820

NORMAL TENSILE Test Method(s): ASTM D-897Aluminum 2 in / min (50.8 mm / min) 1" sq (6.5 cm²)

Substrate		Lbf / In ²	kPa
Aluminum	72 hr dwell	117.5	810

STATIC SHEAR Test Method(s): PSTC-101, ASTM D-33302 mil PET 1" sq (6.5 cm²) 500 g

Substrate		Min to Fail
SS	@ 90°C	> 10,000

TEMPERATURES

	° F	° C
Long Term Temp (10,000 mins)	194 ° F	90 ° C
Short Term Temp (240 mins)	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.

© 2015 Avery Dennison Corporation. All rights reserved. Avery Dennison® is a registered trademark of Avery Dennison Corporation. All other Avery Dennison brands, product names, antenna designs and codes or service programs are trademarks of Avery Dennison Corporation.

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

South America
Rua Francisco Foga, 225
13280-000 Vinhedo
SP Brazil
Phone: +55 19 3876 7736
Fax: +55 19 3876 7682

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