

TECHNICAL DATA SHEET

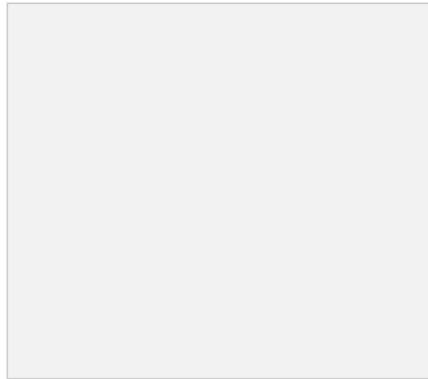
Avery Dennison™ AFB™ 6140W is white acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm foam adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer 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



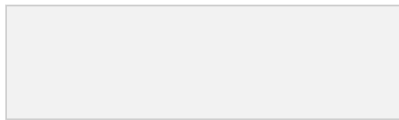
CONSTRUCTION

Liner: Polyethylene Coated White Paper

Adhesive 1: Acrylic

Carrier: White Acrylic Foam Core

Adhesive 2: Acrylic



Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)	US Mils	MM's	Micron's (µm)
Liner	5.1	0.13	130
Carrier & Adhesive	15.8	0.40	400
Total Caliper without Liner	15.8	0.40	400
Total Caliper	20.9	0.53	530

PEEL ADHESION (ASTM D3330)
180° (12") 300 mm / min @ Room Temp

SUBSTRATE	Lbf / in	US Oz / In	N / Meter
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6.25 cm² (1"sq) 50 mm / min @ Room Temp

SUBSTRATE		kPa
Aluminium	72hrs dwell	870

STATIC SHEAR (ASTM D3654)
6.25 cm² (1"sq) 1000 g @ Room Temp

SUBSTRATE		Min to Fail
Stainless Steel	72hrs dwell	>10,000

TEMPERATURES	°F	°C
Minimum Application Temperature	50 °F	10 °C
Minimum Service Temperature	-40 °F	-40 °C
Maximum Service Temperature	302 °F	150 °C

Note: The listed values are typical only 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

Two years when stored at 64-72 °F (18-22 °C) / 30-70 % relative humidity, out of direct sunlight and in original packaging.

For more information on our bonding tapes and adhesive solutions, call us:

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com

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