

TECHNICAL DATA SHEET

Avery Dennison™ AFB™ 6111B is a black acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm yet thin foamed 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 nameplate, 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



CONSTRUCTION

Liner: Red Polyethylene Liner with Imprinted Avery Logo

Adhesive 1: Acrylic

Carrier: Black Acrylic Foam Core

Adhesive 2: Acrylic



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		5.1	0.13	130
Carrier & Adhesive		43.3	1.10	1100
Total Caliper without Liner		43.3	1.10	1100
Total Caliper		48.4	1.23	1229
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	13.1	210	2,289
	72 hr dwell	17.1	274	2,994
LOOP TACK (ASTM D6195)				
6.25 cm ² (1"sq) 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial			
DYNAMIC SHEAR (ASTM D1002)				
6.25 cm ² (1"sq) 12.7 mm / min @ Room Temp				
SUBSTRATE			kPa	
Aluminium	72hrs dwell		670	
STATIC SHEAR (ASTM D3654)				
6.25 cm ² (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