

TECHNICAL DATA SHEET

Avery Dennison™ AFB™ 6164G 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

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: Red Polyethylene Liner with Imprinted Avery Logo

Adhesive 1: Acrylic

Carrier: Gray 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		25.2	0.64	640
Total Caliper without Liner		25.2	0.64	640
Total Caliper		30.3	0.77	770
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	10.1	163	1,779
	72 hr dwell	14.1	227	2,483
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 D897)				
6.25 cm ² (1"sq) 50 mm / min @ Room Temp				
SUBSTRATE			kPa	
Aluminium	72hrs dwell		770	
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:

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www.tapes.averydennison.com