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Technical Data Sheet



## AFB™ 6164W

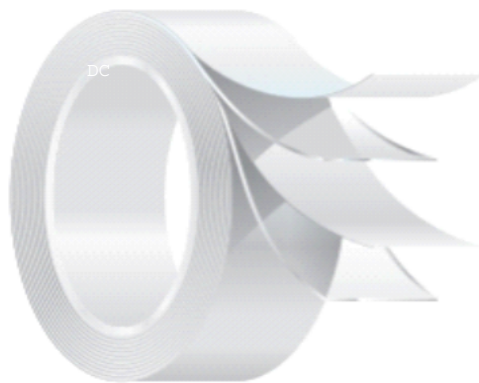
Avery Dennison™ AFB™ 6164W is white acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm foam adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer 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



Performance  
Tapes

**AFB™ 6164W**

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		6.3	0.16	160
Carrier & Adhesive		25.2	0.64	640
Total Caliper without Liner:		25.2	0.64	640
Total Caliper:		31.5	0.80	800

Peel Adhesion		ASTM D3330		
90° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	20 min dwell	9.6	1,691
SS	Liner	72 hr dwell	15.1	2,659
Polycarbonate	Liner	20 min dwell	5.5	969
Polycarbonate	Liner	72 hr dwell	13.7	2,413
SS	Liner	72 hr dwell	120.4	21,202

Normal Tensile		ASTM D897		
180° 2 in (50.8 mm) / min TEMP				
Substrate			Lbf / in	N / Meter
Aluminum	Liner	72 hr dwell	117.5	20,692

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm <sup>2</sup> ) 500 g @ 194°F / 90°C				
Substrate			Min to Fail	
SS	Liner	Initial	> 10,000	

TEMPERATURES	° F	° C
Minimum Service Temperature	194° F	90° 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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