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**Surface Preparation**

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.

**Temperatures**

Min Application Temp	<b>50° F</b>	<b>10° C</b>
Max Continuous Operating Temp	<b>195° F</b>	<b>90° C</b>
Max Intermittent Operating Temp	<b>300° F</b>	<b>150° C</b>

**Storage and Shelf Life**

Two years when stored at 70°F (21°C) 50% RH out of direct

**Limited Warranty**

All statements, technical information and recommendations concerning products sold or samples provided by AVERY DENNISON are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All products are sold and samples of products provided with the understanding that PURCHASER has independently determined the suitability of such products for its purposes. AVERY DENNISON warrants the products to be free from defects in material and workmanship. Should any failure to conform to this warranty appear within two years\* after the initial date of shipment, AVERY DENNISON shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with AVERY DENNISON's standards, correct such defects by suitable repair or replacement without charge at AVERY DENNISON's plant or at the location of the products (at AVERY DENNISON's election) provided, however, if AVERY DENNISON determines that the repair or replacement is not commercially practical, AVERY DENNISON shall issue credit in favor of PURCHASER in an amount not to exceed the purchase price of the products.

This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title and against patent infringement. No waiver, alteration, additions or modifications of the foregoing conditions shall be valid unless made in writing and manually signed by an officer of Avery Dennison. \*Or in the time period stated on the specific product specification sheet, if any, and if not then on the specific product information literature in effect at time of shipment.

**Limitation of Liability**

In no event shall AVERY DENNISON be liable for any incidental or consequential damages, including but not limited to, loss of profit, loss of use of production or loss of capital. The remedies of PURCHASER set forth herein are exclusive and the total liability of AVERY DENNISON with respect to any contract, or anything done in connection therewith such as the performance or breach hereof, or from the manufacture, sale, delivery, resale, installation or use of products whether arising out of contract, negligence, strict tort, or under any warranty, or otherwise, shall not exceed the purchase price of the products upon which the liability is based.

**PRODUCT DESCRIPTION**

**Applications**

Avery Dennison AFB 6180W is a white acrylic foam tape with double coated multipurpose acrylic adhesive on both sides. It is used for bonding a wide range of high and medium surface energy substrates including metals and plastics including PC/ABS. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB 6180W is suitable for many interior and exterior industrial applications such as nameplate, signage, framing, displays and in-home appliances.

**Features**

- Viscoelastic acrylic foam carrier
- Firm density foam
- Improved productivity
- Improved aesthetics

**Benefits**

- High adhesion combined with good shear and stress relaxation
- Absorbs shock and distributes stress evenly
- Good resistance to moisture, UV, High temperature
- High internal strength with good adhesion
- Eliminate drilling, grinding, refinishing, screwing, welding and clean-up
- Virtually invisible fastening helps keep surface smooth and clean
- Paper liner enables easy-die cutting for a precise fit while sealing against moisture and more.

**PRODUCT DATA**

**Product Construction**

		Test Methods: PSTC-133	
		<u>US Mils</u>	<u>MM's</u>
<b>Unwind Adhesive Carrier</b>	Acrylic White Acrylic Foam and Adhesive	<b>31.5</b>	<b>0.80</b>
<b>Liner Adhesive Liner</b>	Acrylic White Paper Liner	<b>5.1</b>	<b>0.13</b>
	Total Construction	<b>36.6</b>	<b>0.93</b>

**Adhesive Properties**

**Peel Adhesion**

2 mil PET 90° 12" / min Test Method(s): PSTC-101, ASTM D3330, STD-10

<u>Substrate</u>	<u>Condition</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
SS	Liner - 20 min dwell	<b>11.3</b>	<b>181</b>	<b>1,980</b>

**Peel Adhesion**

2 mil PET 90° 12" min Test Method(s): PSTC-101, ASTM D3330, STD-10

<u>Substrate</u>	<u>Condition</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
SS	Liner - 72 hr dwell	<b>16.8</b>	<b>269</b>	<b>2,940</b>

**Dynamic Shear**

2 mil PET 180° 1" sq (6.5 cm<sup>2</sup>) 0.5" min Test Method(s): ASTM D1002, STD-27

<u>Substrate</u>	<u>Condition</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
SS	Liner - 72 hr dwell	<b>114.6</b>	<b>1,834</b>	<b>20,066</b>

**Tensile**

Product 180° 1" sq (6.5 cm<sup>2</sup>) 2" min Test Method(s): ASTM D897, STD-3A,B,C

<u>Substrate</u>	<u>Condition</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
Aluminum		<b>113.1</b>	<b>1,810</b>	<b>19,804</b>

**Static Shear**

2 mil PET 1" sq (6.5 cm<sup>2</sup>) @ 90°C / 195°F Test Method(s): PSTC-107, ASTM D3654, STD-9

<u>Substrate</u>	<u>Condition</u>	<u>Min to Fail</u>
SS	Liner - 30 min dwell	<b>&gt; 10,000</b>