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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	50° F	10° C
Max Continuous Operating Temp	195° F	90° C
Max Intermittent Operating Temp	300° F	150° C

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 6102B is an ultra-thin black 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. This product has excellent adhesion and shear strength, and also resists UV lights and elevated temperatures. AFB 6102B is suitable for mobile phone, laptop and electronic parts including nameplates and window lens.

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-diecutting 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>
Unwind Adhesive	Acrylic	-	-
Carrier	Black Acrylic Foam and Adhesive	7.9	0.20
Liner Adhesive	Acrylic	-	-
Liner	White Paper Liner	6.3	0.16
	Total Construction	14.2	0.36

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	8.2	131	1,431

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	10.5	168	1,840

Dynamic Shear

2 mil PET 180° 1" sq (6.5 cm2) 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	130.5	2,088	22,851

Tensile

Product 180° 1" sq (6.5 cm2) 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		129.1	2,066	22,605

Static Shear

2 mil PET 1" sq (6.5 cm2) @ 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	> 10,000