



AFB™ 6610W

Avery Dennison AFB 6610W is a white acrylic foam tape with general purpose acrylic adhesive. This firm, dense 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
- Easy release polyethylene liner

BENEFITS:

- High adhesion combined with good shear and stress relaxation; absorbs shock and distributes stress evenly
- Good resistance to moisture, UV, high temperature
- Uniform bonding performance
- Can help 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:

White Acrylic Foam core

AFB 6610W

Adhesive Properties		Typical Values							
THICKNESS		US Mils		mm		Microns (µm)			
Adhesive + Carrier		39.4		1.0		1000			
Liner		6.3		0.16		160			
Total		45.7		1.16		1160			
*PSTC-133									
PEEL ADHESION									
2 mil PET; 180°; 12" / min									
Substrate		Lbf / in			N / 25mm				
		20 min		24 hr		20 min		24 hr	
Stainless steel		9.1		12.9		40		56	
*PSTC-101, ASTM D-3330, STD-10									
DYNAMIC SHEAR									
2 mil PET; 0.5 in / min; 1" sq (12.7mm/min),72hr@RT									
Substrate		Lbf / in ²			kPa				
Stainless steel		84.1			580				
* ASTM D-1002									
NORMAL TENSILE									
Aluminum 2in / min (50.8 mm / min) 1" sq (6.5 cm2),72hr@RT									
Substrate		Lbf / in ²			kPa				
Stainless steel		87.0			600				
*ASTM D-897									
STATIC SHEAR									
2 mil PET; 1" sq (6.5 cm2); 500g@90℃									
Substrate		Min to Fail							
Stainless steel		>10,000 min							
*PSTC-107, ASTM D 3654, STD-9									
TEMPERATURES									
Min. Application Temp.		50 ° F			10 ° C				
Max. Continuous Operating Temp.		248 ° F			120 ° C				
Max. Intermittent Operating Temp.		320 ° F			160 ° C				
*TEST METHODS									

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / rigid) surface achieves different performance

STORAGE AND SHELF LIFE

The shelf life of the product is one year when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, 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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For more information on our bonding tapes and adhesive solutions, visit **Tapes.AveryDennison.com**