AFB™ 6612G

Avery Dennison AFB™ 6612G is a grey 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 absorbs shock and distributes stress evenly
- Good moisture, UV and high temperature resistance
- 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:

Red Polyethylene Liner With Imprinted Avery Logo

Carrier and Adhesive:

Gray Acrylic Foam Core

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Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	**US Mils**	**MM's**	**Micron's (µm)**
Liner:		5.1	0.13	130
Carrier and Adhesive:		47.2	1.20	1199
Total Caliper:		52.3	1.33	1328

PEEL ADHESION	Test Method(s): PSTC-101, ASTM D-3330		
2 mil PET 90º 12 in /min (305 mm / min)			
Substrate		**Lbf / In**	**N / 100 mm**
SS	20 min dwell	10.6	186
2 mil PET 90º 12 in /min (305 mm / min)			
SS	72 hr dwell	14.8	259

DYNAMIC SHEAR	Test Method(s): ASTM D-1002		
2 mil PET 0.5 in /min (12.7 mm / min)			
Substrate		**Lbf / In²**	**kPa**
Liner	72 hr dwell	79.8	550

NORMAL TENSILE	Test Method(s): ASTM D-897		
Aluminum 2 in / min (50.8 mm / min) 1" sq (6.5 cm2)			
Substrate		**Lbf / In²**	**kPa**
Aluminum	72 hr dwell	84.1	580

STATIC SHEAR	Test Method(s): PSTC-101, ASTM D-3330		
2 mil PET 1" sq (6.5 cm2) 500 g			
Substrate		**Min to Fail**	
SS	@ 90ºC	> 10,000	

TEMPERATURES	**° F**	**° C**
Long Term Temp (10,000 mins)	248 ° F	120 ° C
Short Term Temp (240 mins)	320 ° F	160 ° 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 64-72ºF (18-22ºC) / 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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