

TECHNICAL DATA SHEET

Avery Dennison AFB™ 6610C is a transparent acrylic tape with general purpose acrylic adhesive. This solid, dense adhesive offers consistent application performance and creates high internal strength. Clear acrylic core provides visual congruity when used with glass or clear materials. The integral core of solid acrylic polymer provides a structural grade adhesive, while solid composition leads to easy slitting. Suitable for mounting and attachment applications, including bonding handles to sliding glass, seals between inner and outer domes of skylights, backlit signs and edge bonding resin filled glass.

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

Adhesive: Clear acrylic core



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D-3652)	US Mil's	MM's	Micron's (µm)
Liner	5.1	0.13	130
Adhesive + Carrier	39.4	1.00	1000
Total Caliper	44.5	1.13	1130
PEEL ADHESION (ASTM D3330)			
180° (12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / m
Stainless Steel	20 min dwell	8.9	1560
	72 hr dwell	16.0	2800
DYNAMIC SHEAR (ASTM D- 1002)			
1"sq (6.25 cm²) 2mm / min @ Room Temp			
SUBSTRATE		Lbf / in²	kPa
Stainless steel	72 hr dwell	74.0	510
NORMAL TENSILE (ASTM D- 897)			
1"sq (6.25 cm²) 50mm / min @ Room Temp			
SUBSTRATE		Lbf / in²	kPa
Aluminium	72 hr dwell	79.8	550
STATIC SHEAR (ASTM D3654)			
1"sq (6.25 cm²) 1000 g @ Room Temp			
Stainless Steel	@ 90°C	Min to Fail > 10,000	
TEMPERATURES		°F	°C
Minimum Application Temperature		50 °F	10 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		212 °F	100 °C

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 dry, and free of grease or oil

STORAGE / 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.

For more information on our bonding tapes and adhesive solutions, call us:

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