



AFB™ 6650C

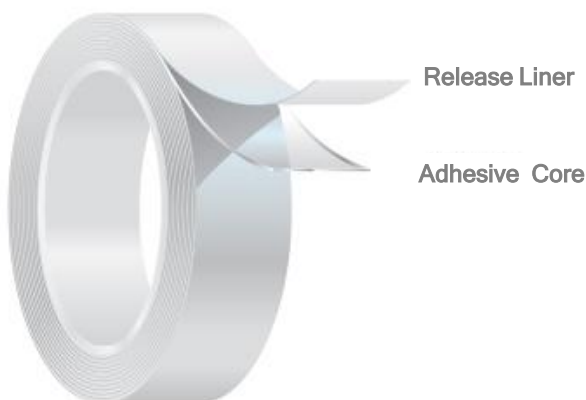
Avery Dennison AFB™ 6650C is a transparent acrylic tape with general purpose acrylic adhesive. This solid, dense adhesive offers consistent application performance and creates high internal strength. Clear acrylic core provides visual congruity when used with glass or clear materials. The integral core 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:

- Tape with viscoelastic acrylic core
- 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

Carrier and Adhesive:

Clear Acrylic Core

AFB™ 6650C

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US Mils	MM's	Micron's (µm)
Liner:		5.1	0.13	130
Carrier and Adhesive:		19.7	0.50	500
Total Caliper:		24.8	0.63	630

PEEL ADHESION Test Method(s): PSTC-101, ASTM D-3330

2 mil PET 90° 12 in /min (305 mm / min)

Substrate		Lbf / In	N / 100 mm
SS	20 min dwell	5.4	95

2 mil PET 90° 12 in /min (305 mm / min)

SS	72 hr dwell	6.5	114

DYNAMIC SHEAR Test Method(s): ASTM D-1002

2 mil PET 0.5 in /min (12.7 mm / min)

Substrate		Lbf / In ²	kPa
Liner	72 hr dwell	98.6	680

NORMAL TENSILE Test Method(s): ASTM D-897Aluminum 2 in / min (50.8 mm / min) 1" sq (6.5 cm²)

Substrate		Lbf / In ²	kPa
Aluminum	72 hr dwell	101.5	700

STATIC SHEAR Test Method(s): PSTC-101, ASTM D-33302 mil PET 1" sq (6.5 cm²) 500 g

Substrate			
SS	@ 90°C	> 10,000	

TEMPERATURES

Long Term Temp (10,000 mins) 194 ° F 90 ° C

Short Term Temp (240 mins) 302 ° F 150 ° 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 64-72°F (18-22°C) / 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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