



AFB™ 6105BC

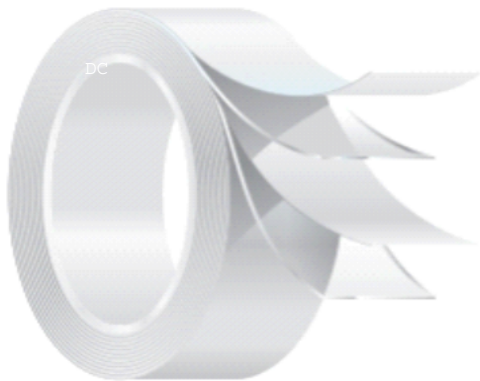
Avery Dennison™ AFB™ 6105BC is a black acrylic double coated foam tape with multipurpose acrylic adhesive on both sides. This firm yet thin foamed adhesive offers strong lamination properties and good weather and environmental resistance. An additional layer of adhesive offers resistance of migration toward plasticizer in vinyl substrates. Suitable for a wide range of applications, including nameplate, sign bonding, and control panel mounting.

FEATURES

- Foam tape with viscoelastic acrylic foam carrier
- Closed cell structure
- Acrylic adhesive system

BENEFITS

- High adhesion combined with good shear absorbs shock and distributes stress evenly
- Good moisture, UV and high temperature resistance
- Uniform bonding performance
- Helps eliminate the need for mechanical fasteners, drilling or grinding and related clean-up for certain applications



CONSTRUCTION:

Liner:

Clear Polyester

Adhesive 1:

Acrylic

Carrier:

Black Acrylic Foam Core

Adhesive 2:

Acrylic

AFB™ 6105BC**Adhesive Properties:****Typical Values**

Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.0	0.08	76
Carrier & Adhesive		5.9	0.15	150
Total Caliper without Liner:		5.9	0.15	150
Total Caliper:		8.9	0.23	226

Peel Adhesion

ASTM D3330

90° 12 in (300 mm) min @ Room Temp

Substrate			Lbf / in	N / Meter
SS	Liner	20 min dwell	7.1	1,250
SS	Liner	72 hr dwell	9.1	1,603

Dynamic Shear

ASTM D1002

180° 0.5 in (12.7 mm) / min @ Room Temp

Substrate			Lbf / in	N / Meter
SS	Liner	72 hr dwell	134.9	23,756

Normal Tensile

180° 2 in (50.8 mm) / min @ Room Temp

Substrate			Lbf / in	N / Meter
Aluminum	Liner	72 hr dwell	132.0	23,245

Static Shear

ASTM D3654

180° 1" sq (6.5 cm²) 500 g @ 194°F / 90°C

Substrate			Min to Fail	
SS	Liner	Initial	> 10,000	

TEMPERATURES

	° F	° C
Minimum Service Temperature	194° F	90° C
Maximum Service Temperature	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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